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% This is french_doc.pdf (informations en francais dans frdoc.tex)
% by Bernard GAULLE since 1989.
%.....
% Have you registered? if not, fill in the form in the REGISTER file and send
% it now, otherwise Bernard will never accept your messages requesting help.
%.....
% (Copyright notice in English just after the French one)
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% =====
% - La distribution de l'extension FrenchPro pour LaTeX est effectuee
% selon le mode shareware. Apres installation et essai de ces fichiers
% pendant un mois vous devez decider soit de les garder pour en faire
% un usage regulier soit de les detruire. Si vous les conservez il vous
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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
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% utilisation.
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% en appliquant des modifications, meme si de votre point de vue, elles
% corrigent des deficiences.
% Les lois internationales, europeennes (91-255) et francaises (94-361)
% sont applicables.
% L'utilisateur de ce logiciel peut toutefois le personnaliser a volonte
% par differents moyens expliques dans la documentation. L'auteur du
% logiciel n'est toutefois aucunement lie par une modification introduite
% par une personnalisation utilisateur.
%
% Copyright Gaulle-GUTenberg 1992-1998, B. Gaulle 1999-2007.
% =====
% - The distribution of the FrenchFro package for LaTeX is made on
% the shareware mode. After installation and tests of these files
% during one month you have to decide either to keep them for
% further use or to delete them. If you keep them you have to
% pay the usage fees to the author (29 euros for single user licence,
% look at the REGISTER file).
% - You are NOT ALLOWED to change in any way all files marked

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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).
% - 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.
%.....V2.5
%%
%% checksum = "58183 3991 14896 209605"
%%
%.....
% NOTICE that this work was done without any formal support.
% Friendly helps, supports as well as sponsors are welcome!
%.....
\expandafter\ifx\csname frenchTeXmods\endcsname\relax%...\ifundefined
\else \endinput \fi%..... \then go ahead \else do nothing \fi
\def\frenchname{french}% This is the name of our language.
\def\frenchpack{FrenchPro}% This is the name of the product.
\def\ds@french{}% this might be usefull if loaded before \document...
\def\ds@pmfrench{\pmfrench}% further defined
%\def\ds@le{\input frenchle.sty}%
%
% french.sty developped by Bernard GAULLE for French-Speaking Users as of:
{\catcode'\@=11{%
\ifx\@unexpandable@protect\undefined\let\protect\empty%
\else\let\protect\@unexpandable@protect%
\fi%
\def\FSfd{28 juin 2007}%
\def\FSfv{V5,9994}%
\def\frenchstyleid{\FSfv\space-- \FSfd\space --}%
}}%
\edef\FSfd{2007/06/28 }%
%
% I started this job years ago (in 1989) firstly

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

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

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

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%               language.dat (give this order in the preamble)
%               Not usable with plain (or low level languages).
% \frenchhyphenation Apply French rules on hyphenation:
%                   - as stated in the patterns file
%                   - with exceptions as established by \hyphenation
%                   - of words starting with one upper case letter
%                   and also allows accent macros in \hyphenation
%                   or \showhyphens.
% \nofrenchhyphenation Nullify former actions
%
% Other commands for hyphenation that remains unchanged over \french reinit.
%
% \allowhyphens      allow the following word to be hyphenated (useful
%                   sepcially in the second part of a compund word.
% \allowuchyph       allow hyphenation of words starting with a capital
%                   letter (this is the default as in plain & lplain)
% \allowfulluchyph   allow it even if a \hbox would normally forbid it in
%                   the present code.
% \disallowuchyph    forbid it (this is my own recommandation)
% \tthyphenation     allow hyphenation of words in the present \tt font
% \notthyphenation    disallow hyphenation of words in the present \tt font
%                   (never saved; last value in a \par is that which works;
%                   default value is that given by the main doc-style;
%                   presumably the default -if not: tell me \tthyphenation;
%                   this is the default in lplain.tex)
%-----
% \frenchtypography Apply French typography (spacing) on :
%                   - double punctuation ! ? ; :
%                   - guillemets (<< >>).Use \endguillemets instead of >>
%                   for ending 2 levels of guill. at the same time or
%                   when the ("everypar") open guillemets were ended in
%                   a previous inner environnement.
%                   Italic correction automatically added if necessary.
%                   - footnote marks in the text and minipages.
%                   - footnote references (\refmark).
%                   - thanks in titles.
%                   Print footnote number in the same font as the footnote
%                   text followed by a dot and appropriate spacing. When
%                   used in table environment footnote marks are typeset
%                   as in a minipage.
%                   Italicize the caption text (using \captionfont defaultly
%                   set to \emph).
%                   Change caption separator (":" replaced by value of
%                   \captionseparator which default is "~--")
% Suboption: \frenchmathcomma
%                   Remove space after coma in math mode (default)
%                   \regularmathcomma
%                   to set space, as usual after comma in math mode.
%                   (chosen option is used to print numbers with \nombre).
%                   \originalmathcomma
%                   to reset coma mathcode as before FrenchPro wass called.
% Suboption: \unnumberedcaptions{figure/table} to remove headings in
%                   caption tiltles. This is a global suboption.
%                   It nullify the according \listof...(figures/tables).
%                   It can be used only once. Can't be turned back later
%                   in French.
%                   Hyphenate correctly. (The lowest level of application
%                   is the paragraph.)
%                   Discourage page breaking after ‘:’

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%               Forbid line breaking before double punctuation and >>
%               and after <<.
%
% Suboption: \noTeXdots will change them to 3 closed dots
%            \TeXdots leave \dots, \ldots as well known TeX dots (default)
%
% Suboption: \nofrenchguillemets stops producing French guillemets.
%            \frenchguillemets starts producing French guillemets (default)
%
% Suboption: \ancientguillemets start every paragraph of second level
%            guillemets with closing >> instead of <<.
%            \todayguillemets normal way at the present time (default)
%
% Suboption: \noguillemetsinarrays will print << or >> in standard arrays
%            textual modes (depending of the font used).
%            \guillemetsinarrays is the usual default value.
%
% Suboption: \guillemetsinallfonts allows to print them in any font but
%            \guillemetsinroman remains the usual default value.
%
% Suboption: \guillemetsfont allows, when in a T1 font encoding running
%            scheme to choose the font for guillemets, just define or
%            redefine \guillemetsfont.
%
% Command:   \endguillemets ends levels 2 & 1 at the same time (i.e. >>>>)
%
% Suboption: \noenglishquote replace TeX ' ' quotes AND apostrophes
%            by accents ‘ ’ (to use only temporary).
%            Do nothing inside a tabbing environnement.
%            \...code and \char become unusable asis.
%
%            \englishquote is the default
%
% Suboption: \noenglishdoublequotes for replacing ‘ ‘ with << and ’ ’ with >>
%            Do nothing inside a tabbing environnement.
%            \...code and \char become unusable asis.
%
%            \englishdoublequotes normal quoting ‘...’ is the default
%
% Suboption: \untypespaces force a space where normally French people
%            type one (before ; : ? ! >> and after <<)
%            \typespaces is the default value
%
% Suboption: \tabbingaccents allow to put \‘ and \’ diacritics on letters
%            when used in tabbing environment. \’ and \‘ remain their
%            original tabbing usage if followed by a blank space.
%            Also usefull for 8bits chars ; this is the default.
%            \notabbingaccents is the usual LaTeX usage.
%
% Suboption: \idotless suppress point on i when accented with ^ and "
%            \iwithdot is the default
%
% Suboption: \EBCDICbrackets replace non-math mode < ... > by [ ... ]
%            (..IBM has no brackets so < and > are often used as brackets)
%            \normalbrackets is the default
%
% Suboption: \letpunctuationactivefor to use allways with something else
%            (like \wrongtypespaces), let punctuation (! : ; ?) active
%            after French style. Caution: it's extremely dangerous!
%
% (specify the suboptions after \frenchtypography)
% (sub-options are not saved/restored over a language switch)
% \nofrenchtypography Nullify former actions
%
% Suboption: \wrongtypespaces suppress spaces before double punctuation
%            (! : ; ?) which was erroneously typed \‘a la fran\c caise.
%
% \text{...} Allows to typeset text in math mode (AmS like command).
%-----
% \ConstantLayout is a one time macro that disallow to change page layout
% and any other typographic feature when switching to another
% language. Once used in any language it is applied for the
% whole document.
%
% \frenchlayout Apply:
% - 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

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%           markers via the command
%           \fmlabelitems{\renewcommand{\labelitemi}{...}}.
%           Look at documentation for more details and specially
%           for the use of \checkitemguillemets.
%           - reset section counter when starting a part.
% Suboption: \noresetatpart nullify the former action.
% Suboption: \noresetatchapter will not reset footnote counter at chapter
%           change.
% Suboption: \frenchtrivsep sets (reduced) vertical spacing in lists, this
%           is the default. As this spacing is forced warning
%           message is issued when other spacing is user
%           expected. Look at \frenchwarnings part.
%           You can choose your own values by setting the lengths
%           with the command \ftrivseplengths{\setlength...}.
%           In that case no warning message is issued.
%           \nofrenchtrivsep resets the standard spacing in lists.
%           - special spacing with the experimental "order" list.
%           - print table footnotes as in minipages.
%           - print a coma between consecutive footnotes.
% Suboption: \frenchpagestyle apply a French pagestyle when starting a
%           Part or a Chapter or an Index (provides \printindex)
%           \nofrenchpagestyle will not.
% Suboption: \beginingfolio print the folio on theses pages (default)
%           \nobeginingfolio will not.
%           - modify thebibliography environnement to be referred
%           in toc and have a valid anchor in hyperref docs.
%           - with letter.sty: address placement, typeset \closing
%           as a paragraph and with \fclosing in place of
%           closing you can chose spacing between closing and
%           signature by saying \fclosing[n]{...} with n being
%           the number of \medskipamount (default is 9).
%           to typeset the date with \location{Paris, le ...}
%           \yourref{...} to refer to a received letter
%           \ourref{...} for your own reference
%           \object{...} to precise the object
%           \PS{...} for a post-scriptum
%           \email{...} for the email address
%           \def\formhead{...} for the odd page headings
%           (not operational with \nopagenumbers)
%           \def\formfoot{...} for the odd page footings
%           (not operational with \nopagenumbers)
%           \wideletter to enlarge the default linewidth.
%           - offer macros for starting paragraphs with a dropped
%           initial capital letter:
%           with \lettrine the first letter of the first
%           token will be dropped. (warning: in 7-bit
%           write {\c C} for example). Remaining part
%           of the token in printed in small caps.
%           with \flettrine a box will be printed around.
%           Generic syntax:
%           \lettrine{Begining of the paragraph}
%           \flettrine{Begining of the paragraph}
%           or \lettrine[<< {Begining} >>] (let spacing!)
%           \flettrine[<< {Begining} >>] (ending >> might
%           be given later in the text)
%           \lettrine or \flettrine START a paragraph! And
%           to avoid any problem the paragrph must end with an
%           explicit \par. This is a fragile macro!
% Suboption: \noautomaticlettrine (default) processing;

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%           the lettrine uses a standard LaTeX font size.
%           You can use \lettrinefont to define the font you
%           want at the size you want. As default \lettrinefont
%           is set to \Huge.
%           Use \def\lettrinehang{n} to force hanging of n
%           lines (there is no default value).
% \automaticlettrine processing: the lettrine uses a computed
%           font size.
%           You can use \lettrinefontname to set the font
%           (default is current font) and it will start the
%           \automaticlettrine feature that means a new value
%           of \lettrinefont is established (font-size).
%           \lettrinehang is defaultly set to 2 lines and
%           can be changed.
%           The \automaticlettrine feature can be stoped by
%           calling \noautomaticlettrine.
% Suboption: \everyparguillemets open guillemets on every paragraph
%           until closing and do nothing at level 2.
%           This is the default.
% \everyparguillemetsremoved switch off the previous feature.
% \noeveryparguillemets don't start each par with guillemets
%           but start each level 2 line with them.
%           \guillemets is forbidden, use 7/8bit
%           guillemets chars.
%           (see documentation for further explanations)
% Suboption: \overfullhboxmark print the TeX black box exactly where there
%           is an overfull hbox (as draft option do)
% \nooverfullhboxmark is the default in LaTeX
% Suboption: \labelsinmargin put labels in margin for debugging purposes
%           This option can be used anywhere (outside
%           \frenchlayout as well as \french environment)
% \nolabelsinmargin is the default
%
%           Propose the following environments:
%
% Environment \begin{drapeaufg}...\end{drapeaufg} to typeset raggedright
%           with hyphenation.
% Environment \begin{drapeaufgIN}...\end{drapeaufgIN} to typeset raggedright
%           without hyphenation (rules of Imprimerie Nationale)
%           As text is never split and overfull can occur
%           you may have to split lines by hand.
% Environment \begin{drapeaufd}...\end{drapeaufd} to typeset raggedleft
%           with hyphenation.
% Environment \begin{drapeaufdIN}...\end{drapeaufdIN} to typeset raggedleft
%           without hyphenation (rules of Imprimerie Nationale)
%           Text printed past the line limit may occur.
% Environment \begin{order}...\end{order} to enumerate items with
%           via \primo \secundo etc. and with sepcial spacing
% Environment \begin{figurette}...\end{figurette} to place a (little)
%           figure EXACTLY here.
% Environment \begin{versatim}...\end{versatim} to print verbatim
%           but with hyphenation typeset as in \verse and with
%           \noenglishquote and \noenglishdoublequotes available
% Commands: \vers|...| the inline (or intext) vserion of "versatim"
%           \verbatimfile{filename} the filename is inputed in verbatim
% BUGED!! (\nopagenumbers reintroduced if undefined)
% \nofrenchlayout Nullify former actions
%-----
% \frenchtranslation . Translate all English titles used in LaTeX, to french

```

```

%          and generate French dates. This is the default.
%          All things should normally run with std LaTeX or Babel.
%          You can also create your own styles using these captions
%          A lot of captions are newly defined for letters.
%          You can also change the titles with your own definitions
%          by using \fraddto\captionfrench{\..name}{title}.
% Environment \begin{resume}...\end{resume} to print an abstract
%          . \resume has been defined for French abstracts (we often
%          need French and English abstracts together). You must
%          be in \french before using it. (like you are in \english
%          when you use \begin{abstract}...\end{abstract}).
% Environment \begin{motsclef}...\end{motsclef} to print a keywords list.
%          . \motsclef has been defined for French keywords.
% (Environment \begin{keywords}...\end{keywords} to print a keywords list)
%          (by the way i have defined \keywords \endkeywords)
%          . \sommaire is defined as a toc in front of a document.
%          \sommaire[1] don't print paragraphs entries and below.
%          \sommaire[2] don't print 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 .glx) & print something acceptable.
%          . makeidx.sty is included and translated.
%          . \seealso is defined for indexes.
% \nofrenchtranslation Nullify former actions.
%-----
% \frenchmacros      Add a lot of macros to help in typographic process.
%          \ier      for printing 1\ier (premier)          (examples)
%          \iere      for printing 1\iere (premiere)
%          \ieme       for printing 2\ieme (deuxieme)
%          and their plurials \iers, \ieres and \iemes.
%          \FileName{file_name} for 8bit file names, then
%          use it by calling \theFileName (e.g with \input).
%          \WindowsUnits{name1=A,...,namen=N} to define macros
%          names to assign to Windows units which will be called
%          in any input file process (\name1: ... \nameN:)
%          protecting from the activated colon character.
%          \at        for printing @          (at)
%          \vert       for printing |          (vertical bar)
%          \chap       for printing ^          (hat or circonflexe)
%          \backslash  for printing \          (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 as is. The first char. of
%          "name" is not compared, except if the abbreviation file
%          contains {Name}. Customisation is allowed like this:
%          \abbreviations[my_abbrev_file]
%          \noabbreviations is the default option
% \nofrenchmacros      Nullify former actions
%
% Some complementary macros used in other parts:
%          \ordinal{counter} gives "premier", "deuxieme", ... "vingtieme"
%          \Ordinal{counter} gives "Premier", "deuxieme" ...
%          \ordinaire{counter} gives "premi\`ere", ...
%          \Ordinaire{counter} gives "Premi\`ere", ...
%
% Macros to output messages:
%          \kbtypeout{msg} issue msg on console, translating or not
%          the accent macros and not expanding the activated chars.
%          Under control of \@kbspecials for 8-bit output
%          translation possibility. Such package like
%          kbconfig/keyboard can translate to the
%          appropriate keyboard encoding. In fact \kbtypeout is
%          equivalent to \kbIO[\typeout].
%          \kbIO[output_macro]{msg_text} allows to output the message
%          either on log file (\wlog), or on console (\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.
%%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%
\def\txt@msg#1{#1}% Just get arg and remove {}.
\def@gobbleopt[#1]{}%
\def\f@issue#1#2{#1{#2}\ifnextchar[{\@gobbleopt}{}}%
    }%

%#<
% Firstly we add the material to use the "msg" package for localization.
\def\@tempc{%
\def\f@issue##1##2{\f@issue@{##1}##2\void}% The local \issuemsg macro.
%
% which will call the real one;
% #1 is the macro message required.
% #2 is the message header + msg number
% such as "^^J -234-", just message
% number (234) is kept.
\def\f@issue@{##1}##2-##3-##4\void{\issuemsg[##1]##3(french)}%
\PassOptionsToPackage{french}{msg}%
\ifx\LdfInit\undefined%
    \RequirePackage{msg}% Usually, load the msg package.
\else% But with Babel, dont use \usepackage or such,
    \let\GOfrench\currname% Save current package name.
    \xdef\currname{msg}% Set package req.
    \def\intern@lc@llfrom{frenchpack}% Say him it's an internal/kernel call.
    \let\fp@language\language% Save current language name.
    \ifx\documentclass\twoclasseserror% When not a kernel case
        \def\language{french}% force French for the msg package.
    \fi%
    @@input msg.sty% and input it now.
    \let\language\fp@language% Reset current language name.
    \let\fp@language\undefined%
    \let\intern@lc@llfrom\undefined%
    \let\currname\GOfrench% Reset original package name.
\fi%
}%\@tempc
\def\@tempd{\def\f@issue##1##2{\@ifnextchar[{\@gobbleopt}{}}%
    }%
}%\@tempd

% Prepare to compare \jobname and license file name.
\edef\@tempa{\expandafter\noexpand\csname str-\jobname\endcsname}%
\edef\@tempb{\expandafter\noexpand\csname str-frlicense\endcsname}%
% FrenchPro requires msg.sty and *-msg.tex files
\ifx\@tempa\@tempb% but only for typesetting a document.
\IfFileExists{msg.sty}{\@tempc}{\@tempd}\else%
\IfFileExists{msg.sty}{\@tempc}{% Avoid loading it if msg.sty doesn't exist.

```

```

\typeout{^^J -81- WARNING: "msg" package not found;%
^^J\space\space\space\space\space\space continuing without message texts.}%
}%

\fi%
%#>
\newif\ifECM%
% Here come \if-switches codes in case of french.sty badly initiated
\def\ErrFrench{\f@issue\@fW{-26- %
      %\@txt@msg{Erreur d'\etect'\ee dans \frenchname.sty !}%
      %\@txt@msg{(voir p.ex. le fichier language.dat)}%
    }}%
\def\ifFTY{\ErrFrench}\def\ifFTR{\ErrFrench}\def\ifFG{\ErrFrench}%
\def\ifFLA{\ErrFrench}\def\ifFMA{\ErrFrench}\def\ifFH{\ErrFrench}%
\def\ifArG{\ErrFrench}\def\ifFTSW{\ErrFrench}\def\ifFW{\ErrFrench}%
%
\edef\GOfrench{'\string @}% temp def further correctly defined
\ifnum\catcode\GOfrench=11% mods of code proposed by DT that
  \let\resetat\relax% accepts also that @ were active
  \else\edef\resetat{\noexpand\catcode\GOfrench=\the\catcode\GOfrench}%
  \makeatletter\fi%
%
\let\@currnameORI\@currname% save current package name
\edef\@currname{\frenchname}% set pasckage req.
{\def'\{\string'}% to avoid \accent@spacefactor=\undefined (in pr\'e-)
  \ProvidesPackage{\frenchname}%
    [\FSfd\space The \frenchpack\space package /\FSfv/]%
}%
\def\GOfrench{babel}\ifx\@currnameORI\GOfrench% allow Babel to load me
  \ifx\undefined\babel@core@loaded\input babel.def\relax\fi%
  \ifx\undefined\babel@core@loaded% still undefined (>3.5)?
    \let\babel@core@loaded\main@language\fi%
  \fi%
%#<
%\let\FSfd=\undefined% let it defined for possible patch test.
\def\@tempa#1V#2,#3\@nil{\def\@FSfv{#2}}\expandafter\@tempa\FSfv\@nil%
%#>
\let\FSfv=\undefined% return to the pool
\IfFileExists{frpatch.sty}{\def\FSfd@patch{unknown}}{\let\FSfd@patch\FSfd}%
%
\if@compatibility% provide error msg with 2.09 emulation
  \f@issue\typeout{^^J -68-
    %\@txt@msg{ERROR: \frenchpack\space is no more running }%
    %\@txt@msg{with 2.09 emulation, sorry!}%
  }\expandafter\stop%
\fi%
%
\ifx\l@french\undefined\f@issue\typeout{^^J -20-
  %\@txt@msg{WARNING:}%
  %\@txt@msg{the French language is undefined in your format.}%
}%
\fi%
%
\fontencoding{\encodingdefault}\selectfont%
\def\@temp@{OT1}\ifx\@temp@\f@encoding%
  \def\@temp@{\global\ECMfalse}%
\else\def\@temp@{L01}\ifx\@temp@\f@encoding%
  \def\@temp@{\global\ECMfalse}%
\else% could be LY1
  \def\@temp@{\global\ECMtrue}%

```

```

\fi%

\fi%

\@temp@%
\def\@tempa{\let\ifEightBitOutput\iffalse}%
\ifx\EightBitOutputfalse\undefined\expandafter\@tempa\fi%
\ifECM\else\ifx\charsubdef\undefined%
\def\@tempa{\noexpand\dGs}%
\ifx\@tempa\dGs\else%
\ifx\@kb@msgXXIX\relax\else% Don't issue if already done.
\fi%
\@issue\typeout{^~J -29- %
%\@txt@msg{***Warning***\string: TeX engine in use along with CM fonts }%
%\@txt@msg{(as in current TeX format) isn't sufficient to hyphenate }%
%\@txt@msg{words containing diacritics (like in French).}%
}%
\let\@kb@msgXXIX\relax%
\fi%
\fi%
\fi\fi%
\ifx\undefined\@dblarg% ..... \@dblarg
\long\def\@dblarg#1{\ifnextchar[{\@xdblarg{#1}}}%
\long\def\@xdblarg#1#2{#1[{\@xdblarg{#2}}}%
\fi%
\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\string\c'\endcsname%
%#< This is a little code to avoid braces to be striped when the token
% is provided via a macro parameter.
\def\@PreserveBraces[#1#2]%. . . . . \@PreserveBraces
{\ifcat\noexpand#1$ #1#2\def\@temp@{}}%
\else\def\@temp@{#2}%
\ifx\@temp@empty\def\@temp@{#1}%
\else\def\@temp@{{#1#2}}\fi%
\fi\expandafter\@temp@}%
%
\def\@temp@{lplain-bilingual}% E.P. wrong old def checking
\ifx\fmtname\@temp@\f@issue\typeout{-64- %
\@txt@msg{ERROR: invalid \string\fmtname\space in lplain.tex}%
}\stop\fi%
%
\let\@FrReg\iftrue\def\@FrVal{}%
\begingroup%
\let\@FrReg\iftrue\def\@FrVal{Opt}\let\@FrGo\endgroup%
\let\ladate\@tempcnta\let\lasem\@tempcntb%
\def\TDate#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\ladata 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 \ladata%
\@FrDimen\lakey sp%
\def\@tempd{\ifdimOpt=\@FrVal\else%
\ifdim\@FrDimen\@tempb\@FrVal\def\@tempa{}%
\else\ifdim\@FrDimen=\@FrVal\def\@tempa{}%
\fi\fi\fi}%
\@FrReg\def\@tempa{\let\@FrReg=\iffalse%
\def\@FrGo{\endgroup\stop}%
\edef\@FrVax{NO MORE }\let\@tempg\fi}%
\expandafter\@tempd%
\fi\@tempa%
}%
\def\@tempc{\endlinechar=-1\def\@FrVal{}%
\read\@inputcheck to \@FrVal%
\ifeof\@inputcheck\endgroup%
\typeout{*** ERROR: frlicense.dat is empty\string!}\stop%
\fi%
\read\@inputcheck to \@FrVal%
\@FrVal\def\@FrVal{Opt}\read\@inputcheck to \@FrVal%
\ifx\@FrVal\empty\def\@FrVal{Opt}\edef\@FrVax{UN}\fi%
\Todate{2}{\the\year}{\the\month}\edef\@tempe{\the\@FrDimen}%
\ifdimOpt=\@FrVal\edef\@FrVax{UN}\fi%
\read\@inputcheck to \@FrVal%
\ifx\@FrVal\empty\def\@FrVal{Opt}\edef\@FrVax{UN}\fi%
\@FrReg\ifx\@FrVal\empty\def\@FrVal{Opt}\fi%
\Todate{4}{\the\year}{\the\month}%
\fi
\ifdimOpt=\@FrVal\edef\@FrVax{UN}\fi%
\read\@inputcheck to \@FrVal%
\endlinechar'\^M%
}%
\openin\@inputcheck=frlicense.dat %
\let\@tempa\relax\def\@Ffnt#1{\f@issue%
\typeout{-2- %\@txt@msg{#1 file not found.}%
}[%1]}%
\ifeof\@inputcheck\@Ffnt{frlicense.dat}\def\@tempa{\endgroup\stop}\fi%
\@tempa\@tempc%
\closein\@inputcheck%
\def\@tempa{\let\@FrReg=\iffalse}%
\def\@tempb{Opt}%
\ifx\@FrVal\empty\def\@FrVal{Opt}\fi%
\ifx\@FrVal\@tempb\@tempa\Todate{4}{\the\year}{\the\month}%
\immediate\openout\@inputcheck=frlicense.dat %
\catcode'\%=12\immediate\write\@inputcheck{\string%%
frlicense.dat file providing license numbers for FrenchPro}\catcode'\%=14
\immediate\write\@inputcheck{\noexpand\makeatletter\noexpand\let%
\noexpand\@nodocument\noexpand\@end}%
\immediate\write\@inputcheck{\@tempe}\advance\@FrDimen by 5 sp%
\immediate\write\@inputcheck{\the\@FrDimen}%
\edef\@FrVal{ONE MONTH TRIAL (starting \the\year/\the\month/\the\day)}%
\immediate\write\@inputcheck{\@FrVal}%
\immediate\write\@inputcheck{This is a private file. Never copy. %
never modify.}%
\immediate\write\@inputcheck{Ne jamais modifier, ni recopier ce fichier.}%
\immediate\closeout\@inputcheck\let\@FrGo\endgroup%

```

```

\fi%
\def\@tempa{ONE}%
\def\@tempc#1 #2\@nil{\def\@tempc{#1}}\expandafter\@tempc\@FrVal{} \@nil%
\def\@tempb{\let\@FrReg\iffalse\edef\@FrVax{UN}}%
\ifx\@tempc\@tempa\@tempb\fi%
\def\@tempb{\let\@FrReg\iffalse\edef\@FrVal{\@FrVax REGISTERED COPY}}%
\ifx\@FrGo\endgroup\else\@tempb\fi%
\@FrReg\fi%
\typeout{^^J -**a- %\@txt@msg{\frenchpack\space serial number is *\@FrVal*}%
}%
\else%
\expandafter\fi%
\expandafter\typeout{^^J -**b- %\@txt@msg{-**- \@FrVal\space of \frenchpack}%
}%
\fi\@FrGo%
%#>
\let\@tempc\relax% AmS bug: \@tempc=\if.
%
\ifx\today\undefined\let\today\cejour\fi% for lettre.cls
\ifx\today\undefined\fi%
\typeout{^^J -52- %
%\@txt@msg{Error: the \frenchpack\space package doesn't run in }%
%\@txt@msg{such minimal document class, sorry!}%
}\expandafter\stop%
\fi%
{\def\GOfrench{\global\let\ifEightBitOutput\iffalse}% force seven bits
\let\add@accent\@gobble\edef\@tempa{'{}}%
\def\@tempb{{\setbox \@tempboxa \hbox {} \accent 18 }}%
\ifx\@tempa\@tempb% hum, OT1 is just loaded, so no expand.
\expandafter%
\GOfrench% and force seven bits for all \@fw messages.
\fi%
}%
% Macro to send a message without header:
\def\@fw#1{{\let\@no braces\@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\@no braces\@aiguORI##1}%
\def\'##1{\expandafter\@no braces\@gravORI##1}%
\def\'##1{\expandafter\@no braces\@acchORI##1}%
\fi%
\else%
\let\protect\string\let\add@accent\@gobble%
\fi%
\edef\@tempa{#1}\typeout{\@tempa}}%
{\def\ier{er}% this is the French typographic abbreviation of "st"
\fi%
\@fw{^^J -23- %\@txt@msg{Extension \string : \frenchpack\space}%
%\@txt@msg{\frenchstyleid\space(B.Gaulle)}}%
}%
}%
%
\let\ifFW\iftrue% Start with (warning) messages
\def\@fw#1{{\let\@NoFr\relax% Avoid any loop inside \kbtypeout.
\ifFW\kbtypeout%..... French warning
{^^J \frenchname.sty \string : #1\@o1}%
\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{\f@tempa\egroup}%
\def\kbtypeout{\kbIO\typeout}}%..... \kbtypeout
\def\kbIO{\bgroup}%..... \kbIO
\ifECM\fontencoding{OT1}\selectfont\fi% Basic fontencoding needed.
%\nofrenchtypography% To apply only after \begin{document}.
\let\@nobraes\@firstofone% could be provided separately,
\let\protect\string%
\ifEightBitOutput% eg by kbconfig.
\def\'##1{\expandafter\@nobraes\@aiguORI##1}%
\def\'##1{\expandafter\@nobraes\@gravORI##1}%
\def\'##1{\expandafter\@nobraes\@acchORI##1}%
\def\'##1{\expandafter\@nobraes\@tremORI##1}%
\def\'##1{\expandafter\@nobraes\@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\@nobraes\@firstofone%
\ifEightBitOutput%
\ifx\charsubdef\undefined\else%
\def\'##1{\expandafter\@nobraes\@aiguORI##1}%
\def\'##1{\expandafter\@nobraes\@gravORI##1}%
\fi%
\else%
\let\protect\string\let\add@accent\@gobble%
\fi%
\@kbtypeout[\typeout]{^^J \frenchname.sty \string : #1\@o@1}%
\fi%
}% Notice: after \begin{document} there is no more need to
\fi
%
\def\@Ffnt#1{\f@issue\@fw{-2- %\@txt@msg{fichier #1 non trouv\'e}%
}[#1]}%
\def\@finpnt#1{\InputIfFileExists{#1}{\@Ffnt{#1}}}%
\def\@NoFr{\f@issue\@fw{-3- %
%\@txt@msg{\frenchpack\space n'est pas actif ici !}%
}}%
\let\ifFrench\iffalse%
%
\ifx\addto\undefined%..... \addto
\def\addto#1#2{\ifx#1\@undefined\def#1{#2}%
\else\ifx#1\relax\def #1{#2}%
\else{\toks@\expandafter{#1#2}%

```

```

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

```

```

\fi\relax}%

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

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

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

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

\def\originaloutput[#1]{%..... \originaloutput
\bgroup\ifFrench\english\fi%
\def\@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}}}%}%

\ifx\printnomenclature\undefined\else%..... \printnomenclature
\let\@pne\printnomenclature% No French warnings with the nomenclature
\def\printnomenclature{\nofrenchwarnings\@pne}% package.
\fi%
\ifx\thebibliography\undefined\else%
\let\@tbs\thebibliography%
\let\fr@savebib\thebibliography%
\long\def\thebibliography#1{%.....USUAL..... \thebibliography
\ifFLA%
\ifx\hyper@refstepcounter\undefined\else%
\stepcounter{subparagraph}%
\hyper@refstepcounter{subparagraph}%
\fi%
\ifx\bibname\undefined%

```

```

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

```

```

\def\pmfrench{\@PMFtrue\@f@issue\@fw{-4- %
                %\@txt@msg{entering now "Poor-Man-French-Style" way}%
                }%
\def\frenchname{\pmfrench}}%

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

```

```

\edef\lq{\string'}\edef\rq{\string'}% as usual in LaTeX ..... \lq \rq
\let\@cilq='% this will be the catcode independent left quote
\edef\lqq{\string'\string'}\edef\rqq{\string'\string'}%..... \lqq \rqq
\edef\pointvirgule{\string;}%..... \pointvirgule
\edef\deuxpoints{\string:}%..... \deuxpoints
\let\@cidp=% this will be the catcode independent double point
\edef\pointexclamation{\string!}%..... \pointexclamation
\edef\pointinterrogation{\string?}%..... \pointinterrogation
\edef\inferieura{\string<}%..... \inferieura
\edef\superieura{\string>}%..... \superieura
\edef\dittomark{\string"%}..... \dittomark
\let\@par\par% save it for \lettrine inside a list environment.
\let\@SLQ\lq%
\def\@SRQ@{\^{\bgroup\prim@s}%
\def\@SRQ{\ifmmode\expandafter\@SRQ@\else\rq\fi}%
%#<
\let\@gotl\guillemotleft%
\let\@gotr\guillemotright%
\def\@temp@{L01}\ifx\@temp@\f@encoding%
\else\edef\@temp@{OT1}\fi%
\def\@tempa#1{\expandafter\relax% define OT1-guillemets or L01 ones
\expandafter\global%
\expandafter\def%
\csname\@temp@\string#1\endcsname}%
\@tempa{\guillemotleft}{\let\ifECM\iffalse%
\ifFG\ly(\kern-0.20em\else<<\fi}%
\@tempa{\guillemotright}{\let\ifECM\iffalse%
\ifFG\unskip% last kern was not in the correct font.
\ly\kern+0.20em\kern-0.20em}%
\else>>%
\fi}%
\let\@LSG\inferieura\def\@DOG{\inferieura\inferieura}%
\let\@RSG\superieura\def\@DFG{\superieura\superieura}%
\def\@SOC{\string[% ] emacs
}%
\def\@SFC{% [ emacs
\string]]}%
\edef\@LP{\ifECM023\else(\fi ) emacs
}%
\edef\@RP{% ( emacs
\ifECM024\else)\fi}%
%#>
% Define Options ..... French style OPTIONS definitions
%
\newif\ifFH%
\let\@noBDfr\@nodocument% options can only be set after \begin{document}
\def\frenchhyphenation{\@noBDfr}% or in \usersfrenchoptions
\def\nofrenchhyphenation{\@noBDfr}%
\def\frenchtypography{\@noBDfr}%
\def\regularmathcomma{\@noBDfr}%
\def\frenchmathcomma{\@noBDfr}%
\def\frenchwarnings{\@noBDfr}%
\def\nofrenchwarnings{\@noBDfr}%
\def\nofrenchtypography{\@noBDfr}%
\def\nofrenchtranslation{\@noBDfr}%
\def\frenchtranslation{\@noBDfr}%
\ifx\RIfM@undefined% used before \begin{document} by AmS classes
\def\nofrenchguillemets{\@noBDfr}%
\def\frenchguillemets{\@noBDfr}%

```

```

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

```

```

%
\begingroup\obeyspaces%
\gdef\@nombre{\ifFTY\@mathcomma\obeyspaces\let =,\,fi}%
\endgroup%
\def\@nombre#1{\bgroup\let\ifFTY\iftrue\def\@tempa{#1}%
\def\,{\ifmmode\mskip\thinmuskip\fi}%
\if@files{\immediate\openout\@inputcheck=\jobname.tmp%
\let\protect\noexpand%
\ifmmode%
\immediate\write\@inputcheck{\protect\makeatletter%
\protect\@nombre%
\@tempa\ignorespaces}%
\else%
\immediate\write\@inputcheck{\protect\makeatletter%
\protect\@nombre%
$\@tempa$\ignorespaces}%
\fi%
\immediate\closeout\@inputcheck%
}%
\immediate\openin\@inputcheck=\jobname.tmp%
\immediate\read\@inputcheck to\@tempa%
\immediate\closein\@inputcheck%
\def\@tempa{{\input{\jobname.tmp}}}%
\fi%
\@tempa\egroup%
}%

% French Lite defs:
\ifx\nombre\undefined\DeclareRobustCommand*{\nombre}{\@nombre}\fi%
\ifx\WindowsUnits\undefined%..... \WindowsUnits
\def\WindowsUnits{\@wu}\fi%
%
\def\FileName{\bgroup%..... \FileName
\def\@FNenc@loop##1##2{\@tempcnta'##1\relax%
\loop\catcode\@tempcnta=11%
\ifnum\@tempcnta<'##2\relax%
\advance\@tempcnta\@ne%
\repeat}%
\@FNenc@loop\^^A\^^H%
\@FNenc@loop\^^K\^^K%
\@FNenc@loop\^^N\^^_%
\@FNenc@loop\^^?\^^ff% 128-255
\@FileName}%
\def\@FileName#1{\gdef\theFileName{#1}\egroup}%..... \theFileName
%
\let\og\empty\let\fg\empty% Guillemets for French light:
% Extrait de frenchb.ldf 2004/04/02 v1.6f on 2005/03/23:
\def\FrenchGuillemetsFrom#1#2#3#4{%
\DeclareFontEncoding{#1}{\}{\}%
\DeclareFontSubstitution{#1}{#2}{m}{n}%
\DeclareTextCommand{\guillemotleft}{OT1}{%
{\fontencoding{#1}\fontfamily{#2}\selectfont\char#3}}%
\DeclareTextCommand{\guillemotright}{OT1}{%
{\fontencoding{#1}\fontfamily{#2}\selectfont\char#4}}%
\def\CyrillicGuillemets{\FrenchGuillemetsFrom{OT2}{wncyr}{60}{62}}
\def\PolishGuillemets{\FrenchGuillemetsFrom{T1}{lmr}{19}{20}}
\def\LasyGuillemets{%
\DeclareTextCommand{\guillemotleft}{OT1}{\hbox{%
\fontencoding{U}\fontfamily{lasy}\selectfont(\kern-0.20em)}}%
\DeclareTextCommand{\guillemotright}{OT1}{\hbox{%

```





```

\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\fhhyphenation%
\def\showhyphens####1{\bgroup%
\csname accenthyphcodes\endcsname%
\protected@edef\@tempa{####1}%
\sowhyphens{\@tempa}\egroup}%
\fi}%\iffH
\def\nofrenchhyphenation{%
\iffH\FHfalse%.....\nofrenchhyphenation
\lccode'\=0%
\let\hyphenation\hhyphenation% restore original \hyphenation
\let\showhyphens\sowhyphens%
\ifx\lowercaseORI\undefined\else\let\lowercase\lowercaseORI\fi%
\@ifundefined{lefthyphenmin}{}%
{\lefthyphenmin=2\righthyphenmin=3}% disallow x- or -xx breaks
\uchyph=\@uchORI%reset original hyph. on words starting with capitals
\fi}%

%#<
\edef\originalmathcomma%..... \originalmathcomma
{\noexpand\mathcode'\= \the\mathcode',}%
%#>
\@tempcnta=\the\mathcode',\@tempcntb=\the\mathcode',%
\divide\@tempcnta by 4096\relax% On récupère la classe (demi octet poids fort)
\multiply\@tempcnta by -4096\relax% en éliminant les poids faibles.
\advance\@tempcntb by \@tempcnta% On garde le restant de poids faible.
\edef\@tempb{\noexpand\mathcode',=\the\@tempcntb}% French is usually "013B.
\advance\@tempcntb by 24576\relax%
\edef\@tempa{\noexpand\mathcode',=\the\@tempcntb}% Regular is usually "613B.
% Regular LaTeX math code for comma is usually "613B (ie 24891).
\edef\regularmathcomma%..... \regularmathcomma
\noexpand\def\noexpand\@mathcomma{\@tempa}%
\noexpand\@mathcomma}%
\def\@tempa{\if\space\next\else\mathord\fi\mathcomma}%
\let\ifFTY\iftrue% For the following definitions:
\ifx\@tempa\sm@rtcomma% In case icomma is in force we use:
\def\frenchmathcomma%..... \frenchmathcomma
\def\@mathcomma{\ifFTY\mathcode'\= "8000\fi}%
\@mathcomma}%
\else% otherwise:
\edef\frenchmathcomma% French math code for comma is usually "013B (ie 315).
\noexpand\def\noexpand\@mathcomma%
{\noexpand\ifFTY\@tempb\noexpand\fi}%
\noexpand\@mathcomma}%
\fi%
\frenchmathcomma% Is the default for french.
\def\ifFTY{\ErrFrench}%
%
\def\nofrenchtypography%.....\nofrenchtypography
\let\ifFTY\iffalse\let\if@Back\ifFTY%
% Reset OT1 definition of \textbackslash to undefined.
\expandafter\let\csname OT1\string\textbackslash\endcsname\undefined%
%#<
\notabbingaccents% usefull in T1 too with 8bits chars.

```

```

%#>
        \nofrenchguillemets% resetting our guillemets
        \nofrenchbguillemets% and those as frenchb
        \sloppy% may extend line past the right hand
        \nonfrenchspacing%
        \regularmathcomma%
    }%
\def\frenchtypography{%.....\frenchtypography
    \let\ifFTY\iftrue\let\if@Back\ifFTY%
% Add OT1 definition of \textbackslash, missing inside \LaTeX.
\expandafter\let\csname OT1\string\textbackslash \endcsname\@boiORI%
    \let\ifLPA\iffalse% default is clean...
    \typedspaces%
%#<
        \nowrongtypedspaces%
        \tabbingaccents% usefull in T1 too with 8bits chars.
        \englishquote\englishdoublequotes%
        \nolabelsinmargin%
        \frenchguillemets%
%#>
        \frenchbguillemets%
%#<
        \normalbrackets\todayguillemets%
        \guillemetsinroman\guillemetsinarrays%
%#>
        \edef\@tempa{\the\vfuze}% AmS may have changed \vfuze
        \fussy% must not extend line past the right hand
        \vfuze=\@tempa% and should not change \vfuze
        \frenchspacing%
        \frenchmathcomma%
%
        \nooverfullhboxmark% std LaTeX default not plain
    }%
\def\nofrenchtranslation{%
    \let\ifFTR\iffalse\@cORI}%.....\nofrenchtranslation
\def\frenchtranslation{%
    \let\ifFTR\iftrue\captionsfrench}%....\frenchtranslation
\let\frenchguillemets\relax\let\nofrenchguillemets\relax%
\let\frenchbguillemets\bb1@frenchguillemets%..... \frenchbguillemets
\let\nofrenchbguillemets\bb1@nonfrenchguillemets%..... \nofrenchbguillemets
%#<
\def\frenchguillemets{%
    \let\ifFG\iftrue%..... \frenchguillemets
    \let\guillemets\@LG%
    \let\endguillemets\RG@%
    \let\guillemotleft\f@guillemets%
    \let\guillemotright\endf@guillemets%
    \AFPinfsup}%
\def\nofrenchguillemets{%
    \let\ifFG\iffalse%..... \nofrenchguillemets
    \let\guillemotleft\@gotl%
    \let\guillemotright\@gotr%
    \let\guillemets\f@guillemets%
    \let\endguillemets\endf@guillemets%
    \DFPinfsup}%
\def\noeveryparguillemets{\let\ifEPG\iffalse%.....\noeveryparguillemets
    \@desarm\let\@desarm\relax% release memory
    \def\guillemets{\leavevmode\unskip%
        \f@issue%
        \@fw{-53- %

```

```

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

```

```

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

```

```

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

```

```

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

```

```

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

```



```

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

```

```

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

```

```

\let\captionfont\emph% Std is italics.
\else\let\cfORI\captionfont% Might be Caption2, thus
\def\captionlabelfont{\upshape}% set defaults.
\def\captionfont{\itshape\cfORI}%
\ifx\captionlabeldelim\undefined\else% Use Caption2 delimiter cs
\let\captionlabeldelim\captionseparator% if any, and set our
\let\captionseparator\empty% default value.
\fi%
\fi%
\def\@makecaption##1##2{\ifFTY%
\def\@secondofmany####1####2\void{####2}%
% Removed mod for empty \caption (pb with hyperref) 2007/06/28
% \protected@edef\@tempa{\@secondofmany##2\void}%
% The previous coding don't remove the unusefull \captionseparator:
\def\@tempa{\@secondofmany##2\void}% To debug.
\ifx\@tempa\empty%
\let\captionseparator\empty%
\fi%
\mcORI{##1}{\relax% for AmSLaTeX V1.2 96/11
\captionfont{##2}}%
\else\mcORI{##1}{##2}\fi}%
%
%Leslie claims that "The footnotemark is regarded as having zero width, which
%is appropriate when it comes at the end of line"(p164) <== not a French habit.
\def\@temp@{%
\def\thanks####1{\global\let\@makefntext\fr@makefntext%..... \thanks
\bggroup%
\ifFTY\ifhmode\ifdim\lastskip>\z@ \unskip\fi\nobreak\fi%
\def\@footnotemark{\hbox{\@textsuperscript{\normalfont\,\@thefnmark}}}%
\fi\let\ifFTY\iffalse\@thORI{####1}%
\egroup}%
}%
\ifx\thanks\undefined\else\let\@thORI\thanks\@temp@\fi%
\let\ifFTY\iffalse% temp def for next processing
\ifx\@makefnmark\undefined\else\let\@mfnmORI\@makefnmark%..... \@makefnmark
\def\@makefnmark{\ifFTY\hbox{\@textsuperscript{\normalfont%
\ifx\thefootnote\relax\else,\fi%
\@thefnmark}}}%
\else\@mfnmORI\fi}%
\fi%
\def\@temp@{\long\def\fr@makefntext####1{% footline starts here %
\bggroup%
\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\bggroup\textnormal\bggroup%
\def\@temp@{%
\ifx\frORI\mccls\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@labelinmargin\iffalse%
\@fntORI{##1}\egroup}%
% Why \footnote doesn't \unskip the previous space?
% Allow hyphenation too with \nobreak (as suggested by Bernd Raichle)
\let\@fnORI\footnote%..... \footnote
\def\footnote{\bgroup%
\def\index{\@ifnextchar[{\f@index}%
{\f@index@}%
}%
\def\f@index[####1]####2{\@ifFTYfalse\@iORI[####1]{####2}%
\@ifFTYback}%
\def\f@index@####1{\@ifFTYfalse\@iORI{####1}\@ifFTYback}%
\ifFTY\ifhmode\ifdim\lastskip>\z@{\unskip\fi%
\nobreak\fi\fi%
\ifmmode\let\@fnORI\fr@footnote\fi%
\@ifNextNB[% ] for balancing
\@Footnote\@Fntnorm}%
\long\def\@Footnote[##1]##2{\@fnORI[##1]{##2}%
\egroup\@ifNextNBc\footnote\refmark\@Fntcoma{}}%
\long\def\@Fntnorm##1{\@fnORI{##1}%
\egroup\@ifNextNBc\footnote\refmark\@Fntcoma{}}%
\def\@Fntcoma{\ifFLA\@textsuperscript{,}\nobreak\fi}%
\def\@Ffloat##1[##2]{\@xfORI{##1}[##2]\cename @Fend\@currenvir\endcsname}%
\let\@fgeORI\figure\let\@efgeORI\endfigure% needed for figurette
\def\@temp@{\let\@fgeORI\figure%..... \figure
\def\figure{\let\ifMOVING\iftrue%
\let\if@minipage\iftrue%
\@set@fr@fn@%
\ifx\@xfORI\undefined%
\let\@xfORI\@xfloat\let\@xfloat\@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}%
\xdef\@lim{}\fi\let\ifMOVING\iffalse}}%
\ifx\endfigure\undefined\let\@Fendfigure\relax\fi%
\let\@cnORI\caption% \caption is redefined in the table environment :
\def\@tablescaption{\@dblarg\@t@blescaption}% footnote will be only
\let\mboxORI\mbox% save \mbox definition.
\def\mbox##1{\leavevmode\hbox{\protect\@set@fr@fn@##1}}%..... \mbox
\def\@set@fr@fn@{\ifFrench\let\footnote\fr@footnote\fi}% Footnote's text lost
\def\fr@footnote{\@ifNextNB[\fr@fn@{\fr@fn@[]}] in tables
}% caption.
\def\fr@fn@[##1]##2{\footnotemark%
\@f@issue%

```

```

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

```

```

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

```

```

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

```

```

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

```



```

\fi%
% Redef of \@newl@bel due to Babel \select@language
\ifx\undefined\babel@core@loaded\else% i.e. \@testdef:
\ifx\@testdef\undefined\else% ..... \newlabel
\@gG{@td}{@testdef}{//}{3}\fi%..... \@testdef
\fi%
% Let few stuff expand in \edef for TeX4ht.
\ifx\ConfigureToc\undefined\else%
\let\@ifFTYfalse\relax\let\@ifFTYback\relax%
\@Fstr\let\@Fstr\relax%
\fi%

\enddocumentasusual%
}%
\let\@whatUCH\relax% \@whatUCH is \relax with french light.
%#<
%
% =====
% | Hyphenation |
% =====
%
% Allow or not hyphenation of words starting with a capital letter
\def\allowfullluchyph{\@noBDfr%
\uchyph=1\let\@whatUCH\allowfullluchyph%.. \allowfullluchyph
\let\@uchbox\empty}%
\def\allowuchyph{\@noBDfr%
\uchyph=1\let\@whatUCH\allowuchyph%..... \allowuchyph
\let\@uchbox\hbox}%
\def\disallowuchyph{\@noBDfr%
\uchyph=-1%..... \disallowuchyph
\let\@whatUCH\disallowuchyph\let\@uchbox\hbox}%
\def\notthyphenation{\@noBDfr%
{\tt\hyphenchar\font=-1}%.....\notthyphenation
\let\ifTTH\iffalse}%
\def\tthyphenation{\@noBDfr%
{\tt\hyphenchar\font=-}%..... \tthyphenation
\let\ifTTH\iftrue}%
\let\@whatUCH\allowuchyph% is normally 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\ftfrench{\ifx\listoftables\relax\else%
\tablename~\thetable\ifFTY\captionseparator\fi\fi%
\ifFTY\expandafter\@eatDP\fi}%
\def\unnumberedcaptions#1{\@noBDFr%
%..... \unnumberedcaptions
\expandafter\let\csname listof#1s\endcsname\relax%
\ifx\listoffigures\relax\ifx\listoftables\relax%
\let\unnumberedcaptions\undefined%
\fi\fi%
}%
%
% Titles ..... \captionsnames
\@ifundefined{captionsnames}{\def\captionsnames{\relax}\let\@tempa\@currname%
% load English captions but force language name for ...
\xdef\@currname{fenglish}\@input{fenglish.sty}\let\@currname\@tempa}{}%
\def\language{french}% ... any further msg message with \kbencoding.
\let\ifnonenglishheadings\iftrue% Bypass to a LaTeX slight bug...
%#<
\def\tocreduceite#1#2{% Reduce toc to a toc-summary for \sommaire.
\def\@sEAT#1#2{\@sORI*{\sommairename}}% Normally a \sommaire is short
\def\@cEAT#1#2{\@chORI*{\sommairename}}% and need no headings.
\def\@smr[#1]{\let\@tempa\contentsname% Save it for
\let\contentsname\sommairename% memoir.cls.
\ifx\tableofcontents\undefined\else%
\begingroup\ifcase #1 0% Process \sommaire[1-4]
\or \let\l@paragraph\tocreduceite%....\sommaire[1]
\let\l@subparagraph\tocreduceite%
\or \let\l@subsubsection\tocreduceite%.\sommaire[2]
\let\l@paragraph\tocreduceite%
\let\l@subparagraph\tocreduceite%
\or \let\l@subsection\tocreduceite%....\sommaire[3] DEFAULT
\let\l@subsubsection\tocreduceite%
\let\l@paragraph\tocreduceite%
\let\l@subparagraph\tocreduceite%
\else \let\l@section\tocreduceite%....\sommaire[4]
\let\l@subsection\tocreduceite%
\let\l@subsubsection\tocreduceite%
\let\l@paragraph\tocreduceite%
\let\l@subparagraph\tocreduceite%
\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@RI@M@cls\undefined% special case AmS document class
\else\chapter*{\sommairename}% print sommaire now
\fi%
\begingroup\makeatletter% any case require a second pass
\immediate\openin\@inputcheck \jobname.##1 %
\if@filesw \expandafter\newwrite\csname tf@##1\endcsname\fi%
\ifeof\@inputcheck \@Ffmt{\jobname.##1}%
\if@filesw\immediate\openout \csname tf@##1\endcsname%
\jobname.##1\relax\fi%
\else\immediate\closein\@inputcheck \relax\@input \jobname.##1 %
\@ifundefined{\@ToCisNOT}{% let a toc be defined further
\if@filesw\immediate\openout \csname tf@##1\endcsname%
\jobname.##1\relax\fi}{}%

```

```

\fi\global\@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@filesw\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
\let\contentsname\@tempa% Restore it for memoir.cls.
}% \@smr
\def\sommaire{\@ifNextNB[\@smr]{\@smr[3]}% ..... \sommaire
}% a Sommaire is a TOC in front of a document
\def\@tempa{\let\if@twocolumn\iffalse}%
\@ifundefined{if@twocolumn}{\@tempa}{}%
\@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@RIIfM@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@RIIfM@cls\undefined% no need with AmS classes
\chapter*{#1%
\@mkboth{\MakeUppercase{#1}}{\MakeUppercase{#1}}%
}%
\addcontentsline{toc}{chapter}{\protect#1}%
\else\chapter*{#1}% just this for AmS classes
\fi%
\ifx\undefined\@glossaryfile\else%
\immediate\closeout\@glossaryfile%
\ifx\undefined\glossaryentry% dummy def .... \glossaryentry
\long\def\glossaryentry##1##2{\noindent-- ##1\par}%
\fi%
\ifx\undefined\theglossary%
% default glossary defs, type \glossary{[entry :] comments}
% and use \printglossary[filename] default is jobname.gls .... \printglossary
\let\theglossary\description%
\let\endtheglossary\enddescription%
\let\scan@allowedfalse\makeatother% gglo.ist call this
\def\pfill##1 {}% nullify page num. unneded
\def\@pgf[##1]{\@finput{##1}}%
\def\printglossary{\@ifNextNB[%] emacs
{\@pgf}{\@pgf[\jobname.gls]}}%
\fi%
\fi\fi}% \input \jobname.glo will typeset the glossary
%#>
\def\datefrench{%
\def\todayfrench{\ifx\ier\undefined\def\ier{er}\fi%
\ifnum\day=1\relax 1\ier%..... \todayfrench
\else \number\day\fi%

```

```

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

```

```

\def\figurename{\textsc{Fig.}}%
\def\tablename{\textsc{Tab.}}%
\def\sommairename{Sommaire}%
\def\partname{% "Premi\`ere partie" instead of "Part I"
    \ignorespaces\Ordinale{part}\space partie%
    \@RptNoInDoc\noexpand\@RptNoInToc}%
\def\glossaryname{Glossaire}% added
\def\kwname{\textbf{Mots-cl}\`e} : }%
\def\draftname{- \noexpand\351preuve -}% PostScript IsoLatin1 \`epreuve
\def\prefacename{Pr\`eface}%
\ifx\proofname\undefined\else\def\proofname{D\`emonstration}\fi%
%
% Comment for further dev:
% Next ones depend from the class of document in use, thus the translations
% should apply _only_ when the corresponding class is loaded. Thus it should
% be better to define these names when loading french, not dynamically at
% run time when typesetting the document.
%
\ifx\fr@RI@M@cls\undefined% figure and table captions modified
    \let\fnum@figure\ffrench% except for any AmSLaTeX V1.2 class
    \let\fnum@table\ftfrench% 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\captionnames\captionfrench%
\fi% \else of \ifx\captionnames\captionfrench%
\let\today\todayfrench%
\def\@cORI{\@cnsORI% Restore original caption names
    \let\today\@tdORI%
    \let\fnum@figure\ffORI%
    \let\fnum@table\ftORI}%
\fi% \iffTR
}%end of captionfrench

```

```

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

```

```

%#>
\def\fr@idf{\let\@afterindentfalse\@afterindenttrue\@afterindenttrue}%
\def\fr@nidf{\let\@afterindentfalse\@aifORI\@afterindentfalse}%
\ifx\titlespacing\undefined%
  \let\which@indent\fr@idf% French default is \indentfirst
\else\let\which@indent\fr@nidf% but let's titlesec package decide if loaded.
\fi%
\def\fr@lbi{\def\labelitemi{\@FIM@--}\def\labelitemii{\@FIM@--}%
  \def\labelitemiii{\@FIM@--}\def\labelitemiv{\@FIM@--}%
  }%
\long\def\frlabelitems#1{\ifFLA\long\def\fr@lbi{#1}%..... \frlabelitems
  \fr@lbi\fi}%
\def\@FIM{% Correct labels in itemize environnement ..... \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}}{}%
\@ifundefined{verbatimfile}%..... \verbatimfile
{\def\verbatimfile##1{\begingroup\@verbatim\frenchspacing
\@vobeyspaces\input ##1\endgroup}}{}%

%#>
}% end of \@FIM
%===== for the letter ...
\def\@temp@{% a temporary def of all material
\let\@ps@fp\ps@firstpage%
\def\@opening{%
\let\@wideletter\relax% Definitions for french light here.
\let\emailadd\@empty\let\@yourref\@empty\let\@ourref\@empty%
\let\@object\@empty%
%#<
\@ifundefined{wideletter}{%
\def\@wideletter{\def\wideletter{%..... \wideletter
\def\@wideletter{\leftskip-0.25\indentedwidth}}}%
\@ifundefined{email}{%
\def\email####1{\def\emailadd{\texttt{####1}}}}{}%..... \email
\@ifundefined{emailadd}{\def\emailadd{}}{}%
\@ifundefined{yourref}{%
\def\yourref####1{\def\@yourref{####1}}}}{}%..... \yourref
\@ifundefined{\@yourref}{\def\@yourref{}}{}%
\@ifundefined{ourref}{%
\def\ourref####1{\def\@ourref{####1}}}}{}%..... \ourref
\@ifundefined{\@ourref}{\def\@ourref{}}{}%
\@ifundefined{object}{%
\def\object####1{\def\@object{####1}}}}{}%..... \object
\@ifundefined{\@object}{\def\@object{}}{}%
\@ifundefined{PS}{%
\def\PS####1{\raggedright\PSname\space ####1}}{}%..... \PS
%#>
\def\ps@firstpage{\ifFLA%
\advance\topmargin by -20\p@% I also suggest to add in
% document preamble: \advance\textheight by 20\p@%
\def\@oddhead{\ifx\undefined\formhead\else%
\bgroup\hss\formhead\hss\egroup\fi%
\def\@oddfoot{\raisebox{-45\p@}{\z@}%
{\hbox to \textwidth{%
\ifcase \@ptsize\relax%
\normalsize%
\or \smaller%
\or \footnotesize%
\fi%
\hspace*{100\p@}\fromlocation \hfill \telephonenumberum
\ifx\undefined\formfoot\hfill\else%
\bgroup\hss\formfoot\hss\egroup\fi%
}}\hss}%
\def\@evenhead{}\def\@evenfoot{}%
\else\@ps@fp\fi}%

```

```

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

```

```

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

```

```

\else\@temp% to avoid pb in case \if@fancy... undefined
\fi%
\let\ps@frenchORI\ps@french% Save final french page style def.
\let\@sdORI\secdef% will be used at each new sectioning.
\def\nofrenchpagestyle{\let\secdef\@sdORI}%..... \nofrenchpagestyle
\def\frenchpagestyle{%..... \frenchpagestyle
  \def\secdef{\ifFLA\thispagestyle{french}\fi\@sdORI}%..... (\secdef)
}%
\frenchpagestyle% Now run the french page style if \frenchlayout.
\ifx\aliaspagestyle\undefined% Is memoir.cls loaded? no:
\def\nobeginingfolio{\let\ps@french\ps@empty}%..... \nobeginingfolio
\else%
\def\nobeginingfolio{\let\ps@french\ps@empty% yes:
  \aliaspagestyle{chapter}{empty}%
}%
\fi%
\def\beginingfolio{\let\ps@french\ps@frenchORI%..... \beginingfolio
  \frenchpagestyle}% This is the default value.
%#<
\@ifundefined{nopagenumbers}{%don't run everywhere..... (\nopagenumbers)
  \def\nopagenumbers{\ifFLA\pagestyle{empty}%
    \thispagestyle{empty}\fi}%
  }{}%
\def\ifFLA{\ErrFrench}%
%
  \newif\ifnonvoid% still an outer def.
\def\@desarm{% the \noeveryparguillemets processing
  \newbox\@FrBoxi\newbox\@FrBoxii\newbox\@FrBoxiii%
  \newbox\@FrBoxiiii\newbox\@FrBoxvi\newbox\@FrBoxvii\newbox\@FrBoxQuotes%
  \ifx\@FrDimenS\undefined\newdimen\@FrDimenS\fi%
  \def\@setpartozero{\widowpenalty=\z@\clubpenalty=\z@%
    \interlinepenalty=\z@\brokenpenalty=\z@\displaywidowpenalty=\z@}%
  \def\nonvoidtrue{\let\ifnonvoid\iftrue}%
  \def\nonvoidfalse{\let\ifnonvoid\iffalse}%
  \def\@transfer vbox##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%
\@transfer\@FrBoxvi\@FrBoxvii%
\@transferadd\@FrBoxvii\@FrBoxvi%
\setbox\@FrBoxvii=\vbox{\unvbox\@FrBoxvi%
\global\setbox\@FrBoxiiii=\lastbox\unskip}%
\@transfer\@FrBoxvii\@FrBoxvi%
\noindent \@sendtopage\@FrBoxvi%
\unhbox\@FrBoxiiii\unskip\unskip\unpenalty}%
\def\@fniv2{\egroup%
\@transfer\@FrBoxvi\@FrBoxvii%
\@transferadd\@FrBoxvii\@FrBoxvi%
\setbox\@FrBoxvii=\vbox{\unvbox\@FrBoxvi%
\global\setbox\@FrBoxiiii=\lastbox\unskip}%
\@transfer\@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}%
\@transfer\@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{\@liti}\def\labelitemii{\@ltii}%
\def\labelitemiii{\@ltiii}\def\labelitemiv{\@ltiv}%
\let\@afterindentfalse\@aifORI\@afterindentfalse%
\parindent\@piORI}% restore \parindent
\let\@FL\relax% \@FL is \relax with french light.
%#<
{\catcode'\.=12\catcode'p=12\catcode't=12\gdef\auTo@gf#1.#2pt{#1}}%
\def\@FL{% LETTRINES defs
\def\automaticlettrine{%
\ifx\lettrinefontname\undefined%.... \automaticlettrine
\def\@tempa####1####2\@{ extract font name
\def\lettrinefontname{####1}}%
\edef\@tempb{ }%
\expandafter\@tempa\fontname%
\expandafter\font\@tempb\@{fi%

```

```

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

```

```

\ifdim\@FrDimen>0.025\baselineskip \advance\@FrCount by 1\fi%
\ifx\auTo\lh\undefined\else\@FrCount=\auTo\lh\fi%
\ifx\lettrinehang\undefined\else\@FrCount=\lettrinehang\fi%
\@FrDimenI=\wd0%
\ifdim\fbboxrule=\z@\else\advance\@FrDimenI by2\fbboxrule%
\advance\@FrDimenI by2\fbboxsep\fi%
\@FrDimenS=\fontdimen2\font\advance\@FrDimenI by+3\@FrDimenS%
\ifdim\fbboxrule=\z@\advance\@FrDimenI by-0.30\@FrDimenS\fi%
\advance\@FrCount by -1%
\@FrDimen=\@FrCount\baselineskip%
\advance\@FrCount by 1%
\ifdim\fbboxrule=\z@\else\advance\@FrDimen by -\fbboxrule\fi%
\@FrDimenH=-\dp0% to get baseline alignment
\setbox0\hbox{\ifdim\fbboxrule=\z@\kern-\fbboxsep\fi%
\fbbox{\shortstack{%%
\def\@LSG{\f@issue\@fw{-5- %
%\@txt@msg{d\'efinition de lettrine incorrecte}%
}}%
\let\@RSG=\@LSG\bef@let%
\lettrinefont\raise-\@FrDimen\hbox{##1}\relax%
\ifdim\fontdimen\@one\font>\z@\space\fi}}}%
\box0\@FrDimen=\@FrDimenH%
\advance\@FrDimenH by-\@FrCount\baselineskip%
\advance\@FrDimenH by \lineskip% inappropriate action
\ifdim\fbboxrule=\z@\else\advance\@FrDimenH by -\fbboxrule\fi%
\vspace*{\@FrDimenH}% where to write the rest of the line
\hangindent=\@FrDimenI%
\ifx\lettrinehang\undefined% hangafter change then allowed
\ifdim\@FrDimen<-0.025\baselineskip% if dp0 > 25/1000 then
\advance\@FrCount by\@one% add one more line hangafter
\divide\@FrDimen by-\baselineskip% and may be it could
\advance\@FrCount by\@FrDimen% extend past a line.
\fi%
\fi%
\ifnum\@FrCount=1\f@issue\@fw{-6- %\@txt@msg{lettrine \'a revoir}%
}\fi%
\hangafter=-\@FrCount%
\noindent\kern-2.5\@FrDimenS%
\def\@temp@{##2}%
\ifx\empty\@temp@\f@issue\@fw{-7- %
%\@txt@msg{lettrine r\'eduite \'a 1 seule lettre}%
}%
\else{\scshape ##2}\fi\def\@temp@{##3}%
\ifx\@temp@\empty\else\space\ignorespaces##3\fi%
}%\@temp@
\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%
\@Ettrine{##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\AFPq{\ifFrench\catcode'=\active\catcode'=\active\fi}%
\def\AFPdq{\catcode"=\active}%
%
\def\@DFP{%..... \@DFP = Desactivate French Punctuation
\DFPq\DFPinsup\ifLPA\else\DFPdp%
\let\dospecials\@dsORI%
\let\@sanitize\@saORI\fi}%
\def\DFPq{\ifFrench\catcode'=\active\catcode'=\active\fi}%
\let\DFPinsup\relax%
%#<
\def\DFPinsup{\ifFrench\catcode'<=12\catcode'>=12\fi}%
%#>
\def\DFPdp{\ifFrench\catcode';=12\catcode':=12%
\catcode'!=12\catcode'?=12\fi}%
\def\DFPdq{\catcode"=12}%
%#<
% Typographic process of dots (default is: let dots macros as usual)
%
\let\@doORI\dots\let\@ldoORI\ldots%
\def\TeXdots{\@noBDfr%
\ifFTY\let\dots\@doORI\let\ldots\@ldoORI\fi}%.....\TeXdots
\def\noTeXdots{\@noBDfr%
\ifFTY\def\dots{...}\def\ldots{...}\fi}%..... \noTeXdots
%
% i dotless (for those who haven't a good text editor)
%
\let\@hatORI\^{\let\@treORI}%
\def\idotless{\@noBDfr%
\ifFTY%..... \idotless
\def\^##1{{\expandafter\@hatORI\ifx ##1i\i\else##1\fi}}%
\def\^##1{{\expandafter\@treORI\ifx ##1i\i\else##1\fi}}%
\fi}%
\def\iwithdot{\@noBDfr%
\let\^{\@hatORI\let\^{\@treORI}}%....(no MlTeX command). \iwithdot
%#>
% Typographic process of double punctuation:
%
\let\ifLPA\iffalse% \ifLPA must be initiated.
\let\ifFG\iffalse% \ifFG must be initiated.
\def\@tempa#1{\f@issue%
\@fw{-13- %\@txt@msg{le caract'ere "#1" est d'ej'a actif}}%
}{#1}%
\let\@tempb\next\let\@tempc\empty}% warning message
\let\@tempb\empty%
\AFPdp% activate first part
\let\ifWTS\iffalse% set wrong typed spaces to false
\def\@WTS{\relax\ifmmode\else\ifhmode% skip wrong typed space
\ifdim\lastskip>z@\unskip\fi%
\fi\fi}%
% Add a thin space before punctuation ; : and ! in place of a space
\def\@tempc{%
\def{\ifFTY\protect\@PV%}%..... ";"
\else\ifWTS\@WTS\fi\string;\fi}%
}%
\def\@tempd{\@tempa\string;}}%
\ifx;\undefined\def\@tempd{\fi\@tempd\@tempc%
\def\@PV{\relax\ifmmode\string;\else%
\ifhmode\ifUSP\unskip\space\fi%
\ifdim\lastskip>z@\unskip\penalty\@M\,\fi%

```

```

\fi\string;\fi}%

\def\@tempc{%
\def:{\ifFTY\protect\@DP%{}}%..... ":"
\else\ifWTS\@WTS\fi\string;\fi}%
}%

\def\@tempd{\@tempa{\string:}}%
\ifx:\undefined\def\@tempd{\fi\@tempd\@tempc%
\ifundefined{\beginparpenalty}{\def\@beginparpenalty=#1{\penalty#1}}{}%
\def\@DP{\relax\ifmmode\string:\else%
\ifhmode\ifUSP\unskip\space\fi%
\ifdim\lastskip>z@\unskip\penalty\@M,\fi%
\fi%
\string:%
\@beginparpenalty=\@M\relax% Page break forbidden after ":"
\fi}%
% but remains not perfect...

% Stuff for \WindowsUnits
\def\@wu#1{\@wu#1,\void}%
\def\@wu#1,#2{\ifx#1\empty\else\@@wu #1\fi%
\def\@tempa{\@wu#2}%
\ifx#2\void\else\expandafter\@tempa\fi%
}%

\def\@@wu#1=#2{\expandafter\edef\csname #1\endcsname:{#2\string:}}%
% \hhline modification should be removed if the version
% [1997/11/24 v3.x beta] is generally in use (and distributed).
\ifx\hhline\undefined\else\let\@hhlORI\hhline%..... \hhline
\def\hhline{\omit\ifFrench\let:\@cidp\fi%
\expandafter\@gobble\@hhlORI}%

\fi%
\def\@tempc{%
\def!{\ifFTY\protect\@PE%{}}%..... "!"
\else\ifWTS\@WTS\fi\string!\fi}%
}%

\def\@tempd{\@tempa{\string!}}%
\ifx!\undefined\def\@tempd{\fi\@tempd\@tempc%
\def\@PE{\ifmmode\string!\else%
\ifhmode\ifUSP\unskip\space\fi%
\ifdim\lastskip>z@\unskip\penalty\@M,\fi%
\fi%
\string!\fi}%

\def\@tempc{%
\def?{\ifFTY\protect\@PI%{}}%..... "?"
\else\ifWTS\@WTS\fi\string?\fi}%
}%

\def\@tempd{\@tempa{\string?}}%
\ifx?\undefined\def\@tempd{\fi\@tempd\@tempc%
\def\@PI{\relax\ifmmode\string?\else%
\ifhmode\ifUSP\unskip\space\fi%
\ifdim\lastskip>z@\unskip\penalty\@M%
\hskip +0.09em plus 0.07667em%max glue accepted
\fi%
\fi%
\string?\fi}%

\ifx\@tempb\next\let\AFPdp\empty\fi%
\@fw{-13b- %
\@txt@msg{la double ponctuation est alors d'esactiv'ee}}\fi%
\let\ifLPA\ErrFrench% \ifLPA restored.
\let\ifFG\ErrFrench% \ifFG restored.
\let\@aORI\@array% ..... \@array for \array
\def\@array{}% default noop, further defined.

```

```

% 2e float placement correction
\DFPdp\AFPdp% normally a noop but in case of warning...
\ifx\AFPdp\empty\else% only for activated exclamation mark
\def\@array{\let\noexpand\@tempa=\noexpand!%
\def\noexpand!\{\noexpand\string\noexpand!}%
\edef\noexpand\@tempb{##1}% asis substitution
\let\noexpand!=\noexpand\@tempa}%
\fi%
\catcode'\<=13\catcode'\>=13% temporary activation
\let\ifArG\iftrue% by now assume guillemets are available in arrays.
\edef\@array[#1]{\edef\noexpand\@tempb{##1}% default substitution
\noexpand\ifArG\noexpand\else%
\noexpand\ifnum\catcode'\<=\active%
\noexpand\ifmode\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$}\,\,\noexpand\ignorespaces}%
\def\@cg{\@skiplastspace\nobreak\,\leavevmode\raise0.27ex%
\hbox{\$ \scriptscriptstyle\gg$}}%
\let\ifFG\iftrue% set the default
\AFPinsup% activate for guillemets
% special definition for \letrine and \fletrine:
\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\ifmode\protect\@LSG\else%
\ifIEB\@SOC\else\@LSG\fi% EBCDICbracket
\fi%
\else\@LSG\fi}%

```

```

\global\let\ifCG\iftrue%
\let\inside@an@expand\empty% Stuff to expand in an usual \edef.
\def\if@mid@expandable#1#2{\let\inside@an@expand\relax\relax%
    \ifx\inside@an@expand\relax%
        \let\inside@an@expand\empty%
        \expandafter#2%
    \else\expandafter#1%
    \fi}%

% A command to avoid wrong crash when expanding a macro which is not
% fully expandable; usage: \edef\XX{\stop@mid@expandable}\XX
\def\stop@mid@expandable{\if@mid@expandable%
    \errmessage{This macro is not expandable, please %
        \string\protect \space it.}\stop}{}%
}%

%%%\def\@LG{\relax\ifFTY\ifmmode\@DOG\else\@@@OG\fi\else\@DOG\fi}%
\def\@LG{\relax\if@mid@expandable{\@@@LG}{\@@LG}}%
\def\@@LG{\ifFTY\ifmmode\@DOG\else\@@@OG\fi\else\@DOG\fi}%
\def\@@@LG{\relax\noexpand <<\relax}
\def\@SifDOGon{\global\let\ifDOG\iftrue}% set scnd level of guillemets flag
\def\@SifDOGoff{\global\let\ifDOG\iffalse}\@SifDOGoff% now set it off
\def\@@@OG{\ifCG\ifFLA\ifEPG\else% now be tolerant... in noeverypar
    \hbadness=10000% all this stuff is really dirty !
    \ifhmode\newline\fi% We force newline if any stuff already typeset.
    \bgroup\def\par{}%
    \@FrDimen=\textwidth% line size on mono-column
        \if@twocolumn\tolerance=5000\pretolerance=5000%
            \advance\@FrDimen by -\columnsep%
            \divide\@FrDimen by 2\fi% for two-column
    \@ifundefined{inAlist}{\fi}{% 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\@currentvir{guillemets}% simulate an environment
        \let\@CGrouplegroup\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 already done,
                \@oguills% insert guillemets and
                \@ifundefined{@UuvOpen}{% then according
                    \,% kerning just after.
                }{}%
            }{}%
        \fi}%

    \fi\fi%
    \else\@SifDOGon\@AG% ancient guillemets featuring
    \ifFLA\ifEPG\else\def\@qqguill{\@oguills}\@staring\fi\fi\fi%
%%%\protect\@CGfalse%
\global\let\ifCG\iffalse%
\ifUSP\kern+0.13em\penalty\@M\ignorespaces%
    \else\kern-0.19em\relax\penalty\@M\fi}%likely as \ignorespaces\fi
\def\@AG{\ifAG\let\@LP\@RP\let\@gotl\@gotr%
    \fi}% Apply ancient guillemets if required
\def\@f@guillemets{<<}%
\def\@oguills{%
    \bgroup\@ifundefined{@UuvOpen}{\def\@UuvOpen{}}% avoid duplicate <<
    \@ifundefined{ly}{\@og}%
        {\leavevmode\ifECM\hbox{\ifGIAF\else\@gfnt\fi%
            \ifx\@gotl\undefined\char\rq\@LP%

```

```

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

\def\@FG{\ifCG\fi%
\@fw{-14- %\@txt@msg{fermeture de guillemets non ouverts}%
}\fi%
\ifUSP\unskip\kern+0.13em\else%
\ifdim\lastskip>z@\unskip% skip previous space
\penalty\@M% don't break here
\space% better than \kern
\penalty\@M%
\fi%
\kern-0.19em%
\fi%
\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.
\fi%
\@fw{-49- %\@txt@msg{fermeture pr\'ematur\'ee de guillemets}%
}%
\fi%
\else\@CGroup\@fguills%
\fi%
\fi%
% \edef\@currenvir{\@tempd}% generates error instead of just a warning.
\ifDOG\ifFLA\ifEPG\else\@fniv2\fi\fi%

```

```

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

```

```

\AFPq\let\ifNEQ\iftrue%..... \noenglishquote
\ifFrench\let\@cilq='\fi}%

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

```

```

}%
\ifx\tabbing\undefined%
  \else\let\@tgORI\tabbing%put diacritics \‘ & \’
  \@temp@% new def apply
\fi%
\DFPq%
\AFPinsup% activate < and >
\def\EBCDICbrackets{\@noBDfr%
  \let\ifIEB\iftrue%..... \EBCDICbrackets
  \ifFG%
  \def<{\protect\@LFG}%old code generate \ifnum incompatibilty
  \def\@LFG{\@ifNextNB<{\protect\@OG}{\@LFG}}%
  \def\@OG<{\ifnum\catcode‘< =\active\expandafter\@LG%
    \else\@LFG\@LFG\fi}%
  \def>{\protect\@RFG}%
  \def\@RFG{\@ifNextNB>{\protect\@FG}{\@RFG}}%
  \def\@FG>{\ifnum\catcode‘> =\active\expandafter\@RG%
    \else\@RFG\@RFG\fi}%
  \fi}%
\long\def\@BracesOrNot[#1]{\ifmmode\@PreserveBraces[#1]%
  \else\expandafter#1\fi}%
\let\@fobeyspaces\empty%
\long\def\@genG#1#2#3{\@fobeyspaces%
  \ifx#2#3\expandafter\protect\csname @#1G\endcsname%
  \else\csname @#1FG\endcsname\expandafter\@BracesOrNot%
    \expandafter[\expandafter{%
      \expandafter#3\expandafter}\expandafter]%
  \fi}%
\edef\@genGL{\noexpand\@genG{L}\noexpand<}%
\edef\@genGR{\noexpand\@genG{R}\noexpand>}%
% Hacking for blank space after "<" or ">" doesn't run in any \ifdim x > y
% like in \footnote, so the code is nullified until...
%\def\@bobeyspaces{\fobeyspaces%
% \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}%
\DFPinsup% 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}{\fhyph}}%
}%
%
\gdef\frenchTeXmods{%......\frenchTeXmods
\global\let\ifFrench\iftrue%
\ifCLA%
\ifCLAfrench%
\@AFP% activate French punctuation
\frenchtypography\frenchtranslation\frenchlayout%
\fi%
\else%
\@AFP% activate French punctuation
\frenchtypography\frenchtranslation\frenchlayout%
\fi%
\ifchmacros\frenchwarnings%
\let\@HifORI\@Hif\let\@HfiORI\@Hfi%
\frenchhyphenation%
\csname @extrasfrench\endcsname% from other packages
% (TeX-XeT first direction of writing will be set by the first \everypar)
\ifx\GOfrench\undefined% When document is really started,
\csname beginL\endcsname% set TeX--XeT direction of writing.
\fi%
\def\language{french}% set it for mlp.
\@ufo% user options
\let\switchtolanguage\endfrench%
\ignorespaces%
}%end \frenchTeXmods
% Declare Options, extras and even more extras
\ifx\undefined\babel@core@loaded%
\edef\extrasfrench{\def\@extrasfrench{\extrasfrench}% for other packages.
\DeclareOption{french}{\def\beginlanguage{%
\ifx\babel@savevariable%selectlanguage
\undefined\french%
\else\endenglish\selectlanguage{french}\fi}%
}%
\DeclareOption{english}{\def\beginlanguage{%
\ifx\babel@savevariable%selectlanguage
\undefined\english%
\else\selectlanguage{english}\fi}%
}%
\else\let\extrasfrench\frenchTeXmods%
\AtBeginDocument{% With babel, at begin document we should
\def\@tempa{\protect\@Label}% test if our label def had
\ifx\@tempa\label\else% been changed by any package such as hyperref
\let\@lORI\label\let\label\@tempa\fi% and then reset it.
\def\@tempa{\protect\atGH{r}}% Same test and action
\ifx\@tempa\ref\else\@gG{r}{ref}{/}{1}\fi% for \ref.

```

```

}%
\fi%
%
\@ifundefined{switchtolanguage}{%
  \def\switchtolanguage#1{#1}}{}%.(style depending)..... \switchtolanguage
\let\@stlORI\switchtolanguage
\def\@DFPtestANDset{% Test if French was activated,
  \ifx\ifFrench\iffalse% if not \ifLPA will make French to crash
    \f@issue\@fw{-71- %
      %\@txt@msg{ATTENTION : }% with message -26*-; better is that message. %
      %\@txt@msg{si babel est utilis\'e, mettre \frenchname\space en option}%
    }%
  \fi%
  \let\@DFPtestANDset\@DFP%
  \@DFP}%

\def\endfrench{%..... \endfrench
%% This \endL should be omitted otherwise it will be an extra for eTeX.
%% \ifx\undefined\GOfrench% When french document really started,
%% \csname endL\endcsname% stop any TeX--XeT french direction of writing.
%% \fi%
\ifCLAfrench\else%
  \@DFPtestANDset%
  \nofrenchtypography\nofrenchtranslation\nofrenchlayout%
\fi%
  \nofrenchmacros%
  \nofrenchhyphenation%
  \let\@Hif\@HifORI\let\@Hfi\@HfiORI%
  \let\switchtolanguage\@stlORI%
  \let\ifFrench\iffalse\@stlORI%
  \ignorespaces}% end of \endfrench
\let\noextrasfrench\endfrench%
%#<
\def\frenchtest{\@input{french.tst}}% The Torture Test ..... \frenchtest
\def\frenchdoc{\@input{frenchdoc.tex}}% The Documentation ..... \frenchdoc
%#>
%====
% | Language switch mechanism |
%====
% based on language.dat file
%
\@ifundefined{englishTeXmods}{\gdef\englishTeXmods{}}{}%..... \englishTeXmods
%
\global\let\@Hif\empty\global\let\@Hfi\empty% dflt \if...\fi hyphenation switch
\global\let\ifFE\iffalse% don't reload hyphenation exception if not required.
\newif\if@more\@moretrue%
\def\@doFh{% define processing for reading language.dat at \begin{document}
\def\f@ERRdat{\f@issue%
  \errmessage{-9- %\@txt@msg{Corrupted/absent language.dat file.}%
  }\global\let\french\@end%
}%
\bgrouper% there is a marmelade here for a temporary usage.
\let\ORIGfrench\french%
\newcount\@FrCount%
\def\tl@ng##1{% no need at this time to test if \<language>TeXmods is defined
\def\@rhef##1/##2 /{\def\@tempa{##2}%reloading of hyphenation exceptions files
  \def\@tempb{##1}% language name
  \def\@tempc{\ifx\space\@tempa\else%
    \expandafter\gdef\csname ##1@hefn\endcsname{##2\relax}%

```

```

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

```

```

        {\@PrevE\@issue\@fw{-16 %
            %\@txt@msg{the English language\space is numbered }%
            %\@txt@msg{\the\language}%
        }}%

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

```

```

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

```

```

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

```

```

\ifFMA%
\ifhmode\ifUSP\unskip\space\fi%
\ifdim\lastskip>\z@\unskip\penalty\@M~\fi%
\fi%
etc\def\@tempa{\@ifNextNB.{}{%
\@fw{-60- %
%\@txt@msg{point manquant apr'es \string\etc}%
}}}%

\else\@etcORI%
\fi\@tempa}%

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

```

```

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

```



```

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

```

```

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

```