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% This is french_doc.pdf (informations en francais dans
% frguide.pdf et frnotes.pdf)
%
% As e-French since 2010 under LPPL Copyright.
%.....
% (Copyright notice in English just after the French one)
% Copyright GUTenberg-Gaulle 1992-1998, Bernard Gaulle 1999-2007:
% =====
% - La distribution de l'extension FrenchPro pour LaTeX etait effectuee
% selon le mode shareware. Apres installation et essai de ces fichiers
% pendant un mois vous deviez decider soit de les garder pour en faire
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% d'origine.
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% sur le domaine de l'Internet (dont les serveurs CTAN).
% - Aucun virus n'a ete detecte au moment ou ces fichiers furent termines
% et prêts a la distribution.
% - Le code informatique est offert ici dans l'espoir qu'il soit utile et
% avec la volonte qu'il soit correct mais aucune garantie ne peut etre
% fournie, de quelque ordre que ce soit. Les utilisateurs l'utilisent
% entierement a leur propre risque. L'auteur n'admettra et n'acceptera
% d'etre lie par un quelconque engagement en cas de manque a gagner,
% direct, indirect, immediat, consecutif ou autre, resultant de son
% utilisation.
% - Vous n'etes PAS AUTORISE a vous substituer a l'autorite de l'auteur
% en appliquant des modifications, meme si de votre point de vue, elles
% corrigent des deficiences.
% Les lois internationales, europeennes (91-255) et francaises (94-361)
% sont applicables.
% L'utilisateur de ce logiciel peut toutefois le personnaliser a volonte
% par differents moyens expliques dans la documentation. L'auteur du
% logiciel n'est toutefois aucunement lie par une modification introduite
% par une personnalisation utilisateur.
%
% En tant qu'e-French sous Copyright LPPL depuis 2010.
%.....
% Copyright Gaulle-GUTenberg 1992-1998, B. Gaulle 1999-2007.
% =====
% - The distribution of the FrenchFro package for LaTeX was made on
% the shareware mode. After installation and tests of these files
% during one month you had to decide either to keep them for
% further use or to delete them. If you kept them you had to
% pay the usage fees to the author.
% - You are NOT ALLOWED to change in any way all files marked
% with "Copyright".
% - Free redistribution of this distribution is authorized but only

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% 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
%.....
% NOTICE that this work was done without any formal support.
% Friendly helps, supports as well as sponsors are welcome!
%.....
%\def\ds@le{\input frenchle.sty}%
%
% french.sty was developped by Bernard GAULLE for French-Speaking Users
% This file is now a part of the e-French package.
% For more details please read frnotes.pdf
\expandafter\ifx\curname frenchTeXmods\endcurname\relax%
\else \endinput \fi%
\def\frenchname{french}%
\def\frenchpack{eFrench}          eFrench
\def\ds@french{}%
\def\ds@pmfrench{\pmfrench}%
{\catcode'\@=11{%
\ifx\@unexpandable@protect\undefined\let\protect\empty%
\else\let\protect\@unexpandable@protect%
\fi%
\def\FSfd{20 octobre 2011}%          eFrench
\def\FSfv{V5,9995}%                  r j +
\def\frenchstyleid{\FSfv\space-- \FSfd\space --}%
}}%
\def\FSfd{2007/06/28 }%
%
% History as given by Bernard Gaille:
% I started this job years ago (in 1989) firstly
% using ideas by Jacques DESARMENIEN, the French pioneer and also by
% Eric PICHERAL (CICB, Rennes), Nicolas BROUARD (INED, Paris),
% Marc SHAPIRO (INRIA, Rocquencourt), Raymond SEROUL (Lab Typo, Strasbourg),

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% Philippe LOUARN (IRISA, Rennes), Olivier NICOLE (INRA, Jouy),
% Rainer SCH"OPF (Uni. Mainz), Johannes BRAAMS (PTT, NL) and others.
% I stopped to collect the names of the good guys in 1991 when i decided
% to make a seriously enhanced & rewritten distribution i released as V3.0.
%
%% Free gift to GUTenberg (Frenchspeaking TeX Users Group)
%% during 12 years. (Groupe francophone des Utilisateurs de TeX).
%% Shareware since january 2001 (Version 5,00).
%
% Send suggestions/bug reports/corrections to the maintainer of e-French:
% Laurent Bloch, lb@laurentbloch.org
% (http://www.laurent-bloch.org/spip.php?article166)
%
% Canonical Archives server is: www.gutenberg.eu.org
% (in /pub/GUTenberg/french)
% where these files are archived.
%
% Running only with LaTeX2e, oldest format required:
\NeedsTeXFormat{LaTeX2e}[1996/12/01]% -the latest one acceptable
\let\auxWARNINGi=\@gobble% -accept aux files produced by french
% This style is using, at most:
%%<
%%> 577 strings out of 11731 (4.9%);
%%> 4675 string characters out of 85497 (5.4%);
%%> 11217 words of memory out of 262141 (4.2%);
%%> 567 multiletter control sequences out of 9500 (5.9%).
%
% (I used usual teTeX with option mltext).
%
% Lastest updates (previous updates infos in history file)
% =====
%
% V5,995
%Released --bg 2005/04/18
% \XeTeXinputencoding is no more running: supporting
% XeTeX is now differed. Jonathan Kew informed. --bg 2005/12/25
% V5,996 patch to allow \label to run in math mode. --bg 2005/09/09
% Reported by Simon Pierre Desrosiers.
%
% \captionseparator is off with memoir.cls, --bg 2005/10/08
% use \captiondelim.
% Reported by Frederic Connes.
%
% Patch for relsize [2003/07/04 ver 3.1] to avoid messages when
% the smallest size is less than de default of 6pt. --bg 2005/12/22
% Reported by Frederic Connes.
%
% Patch for nomencl.sty which force \kbtypeout to be
% called from \item in an unexpandable environment and
% then producing an undefined \f@tempa break. So i add
% \nofrenchwarnings in \printnomenclature. The problem
% was reported by J.B. Moreau. --bg 2006/01/19
%
% Released 2006/03/25
% V5,997 Emergency message added when frlicense.dat is empty.
% Change in tabbing environnement: \tabbingaccents is
% now the default in French since 8bits chars in T1
% are always converted to 7bits chars "a la TeX".
% \notabbingaccents added in \nofrenchtypography.
% The pb was reported by Frederic Petit. 2006/04/25

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% V5,998 Released - new production scheme. 2006/07/04
% V5,999 Patch for frenchle: ## illegal parameter in \@tempa (\') ?
% issuing message with superfluous double \string (\@w@s). 2006/08/15
% Natbib correction: bibitem macro was one oboslate of
% jurabib. Jurabib bibitem macro obsolate and misplaced.
% Full code revisited. 2006/08/18
% Released 2006/08/25
% V5,9991 When FrenchPro is called from babel(fr) all given options
% should not be processed by the msg package, so we call msg
% saying it's an \intern@l@lfrom{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.
% %%%%%%%%%%%
% Distributed as eFrench under LPPL is same as version 5,9994
% but without the test for a shareware licence
% Changes made by Raymond Juillerat 2010/05/04
%
% V5,9995 Some changes because a problem arose with the language arabic
% in that case, the language switch \arabic was in conflict with the
% arabic format for numbers, also \arabic.
% Therefore in this version, the switch is to be made with \arabicLang, but
% the configuration file for the language arabic is as usual \arabicTeXmods.
% These changes affect all languages <language> were \<language> already
% exists and would enter in conflict with. Language switch is made with
% \<language>Lang and the context is defined with \<language>TeXmods.
% Same changes were made in frenchle
% Changes made by Raymond Juillerat 2011/09/26
%
% %%%%%%%%%%%
%
% 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

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

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

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% to reset coma mathcode as before FrenchPro was called.
% Suboption: \unnumberedcaptions{figure/table} to remove headings in
% caption titles. 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 ':'
% 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 environment.
% \...code and \char become unusable asis.
% \englishquote is the default
% Suboption: \noenglishdoublequotes for replacing '' with << and '' with >>
% Do nothing inside a tabbing environment.
% \...code and \char become unusable asis.
% \englishdoublequotes normal quoting '...' is the default
% Suboption: \untypedspaces force a space where normally French people
% type one (before ; : ? ! >> and after <<)
% \typedspaces is the default value
% Suboption: \tabbingaccents allow to put \' and \' diacritics on letters
% when used in tabbing environment. \' and \' remain their
% original tabbing usage if followed by a blank space.
% 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 \wrongtypedspaces), let punctuation (! : ; ?) active
% after French style. Caution: it's extremely dangerous!
% (specify the suboptions after \frenchtypography)
% (sub-options are not saved/restored over a language switch)
% \nofrenchtypography Nullify former actions
% Suboption: \wrongtypedspaces suppress spaces before double punctuation
% (! : ; ?) which was erroneously typed \a la fran\c caise.
% \text{...} Allows to typeset text in math mode (AmS like command).
%-----
% \ConstantLayout is a one time macro that disallow to change page layout

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% and any other typographic feature when switching to another
% language. Once used in any language it is applied for the
% whole document.
% \frenchlayout Apply:
% - indentation of all (first LaTeX) paragraphs:
% Suboption: \indentfirst is the default or
% \nonindentfirst which forces no indentation at all.
% - set item markers as --. User can choose others
% markers via the command
% \frenchlabelitems{\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 \frenchtrivseplengths{\setlength...}.
% In that case no warning message is issued.
% \nofrenchtrivsep resets the standard spacing in lists.
% - special spacing with the experimental "order" list.
% - print table footnotes as in minipages.
% - print a coma between consecutive footnotes.
% 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 environment to be referred
% in toc and have a valid anchor in hyperref docs.
% - with letter.sty: address placement, typeset \closing
% as a paragraph and with \fclosing in place of
% closing you can chose spacing between closing and
% signature by saying \fclosing[n]{...} with n being
% the number of \medskipamount (default is 9).
% to typeset the date with \location{Paris, le ...}
% \yourref{...} to refer to a received letter
% \ourref{...} for your own reference
% \object{...} to precise the object
% \PS{...} for a post-scriptum
% \email{...} for the email address
% \def\formhead{...} for the odd page headings
% (not operational with \nopagenumbers)
% \def\formfoot{...} for the odd page footings
% (not operational with \nopagenumbers)
% \wideletter to enlarge the default linewidth.
% - offer macros for starting paragraphs with a dropped
% initial capital letter:
% with \lettrine the first letter of the first
% token will be dropped. (warning: in 7-bit
% write {\c C} for example). Remaining part
% of the token is printed in small caps.
% with \flettrine a box will be printed around.
% Generic syntax:
% \lettrine{Beginning of the paragraph}
% \flettrine{Beginning of the paragraph}

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% or \lettrine[<< {Begining} >>] (let spacing!)
% \flettrine[<< {Begining} >>] (ending >> might
% be given later in the text)
% \lettrine or \flettrine START a paragraph! And
% to avoid any problem the paragrpah must end with an
% explicit \par. This is a fragile macro!
% Suboption: \noautomaticlettrine (default) processing;
% 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

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

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

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%
% =====
% | 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 almost elementary (and historical) rules.
%%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%
\NeedsTeXFormat{LaTeX2e}[1996/12/01]%
\let\auxWARNINGi=\@gobble%
\def\@txt@msg#1{#1}% -Just get arg and remove {}.
\def\@gobbleopt[#1]{}%
\def\@f@issue#1#2{#1{#2}\@ifnextchar[{\@gobbleopt}{}]% -]
    }%
%#<
% Firstly we add the material to use the "msg" package for localization.
\def\@tempc{%
\def\@f@issue##1##2{\@f@issue@{##1}##2\void}% -The local \issuemsg macro.
    % -which will call the real one;
    % -#1 is the macro message required.
    % -#2 is the message header + msg number
    % -such as "^^J -234-", just message
    % -number (234) is kept.
\def\@f@issue@{##1}##2-##3-##4\void{\issuemsg[##1]##3(french)}%
\PassOptionsToPackage{french}{msg}%
\ifx\LdfInit\undefined%
    \RequirePackage{msg}% -Usually, load the msg package.
\else%
    -But with Babel, dont use \usepackage or such,
    \let\@GOfrench\@currname% -Save current package name.
    \xdef\@currname{msg}% -Set package req.
    \def\intern@lc@llfrom{\frenchpack}% -Say him it's an internal/kernel call.
    \let\fp@languagename\languagename% -Save current language name.
    \ifx\documentclass\@twoclasseserror% -When not a kernel case
        \def\languagename{french}% -force French for the msg package.
    \fi%
    \@input msg.sty% -and input it now.
    \let\languagename\fp@languagename% -Reset current language name.
    \let\fp@languagename\undefined%
    \let\intern@lc@llfrom\undefined%
    \let\@currname\@GOfrench% -Reset original package name.
\fi%
    }% -\@tempc
\def\@tempd{\@f@issue##1##2{\@ifnextchar[{\@gobbleopt}{}]% -]
    }%
    }% -\@tempd
% Prepare to compare \jobname and license file name.
\edef\@tempa{\expandafter\noexpand\csname str-\jobname\endcsname}%

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

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\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[#{1}]{\@xdblarg{#1}}}%
\long\def\@xdblarg#1#2[#{1}[#{2}]{#2}}%
\fi%
\newdimen\@FrDimen% -general def for the style
\def\usualmessages{\let\ifEightBitOutput\iftrue}%
\ifnum\inputlineno=-1\def\@o@l{.}% -may be negative
\else\def\@o@l{(\a la ligne \the\inputlineno).}\fi%
\expandafter\let\expandafter\@aiguORI\expandafter=%
\csname OT\string1\string'\endcsname%
\expandafter\let\expandafter\@gravORI\expandafter=%
\csname OT\string1\string'\endcsname%
\expandafter\let\expandafter\@acchORI\expandafter=%
\csname OT\string1\string'\endcsname%
\expandafter\let\expandafter\@tremORI\expandafter=%
\csname OT\string1\string"\endcsname%
\expandafter\let\expandafter\@cediORI\expandafter=%
\csname OT\string1\stringc\endcsname%
%#< This is a little code to avoid braces to be striped when the token
% is provided via a macro parameter.
\def\@PreserveBraces[#1#2]% -..... \@PreserveBraces
{\ifcat\noexpand#1$ #1#2\def\@temp@{}}%
\else\def\@temp@{#2}}%
\ifx\@temp@\empty\def\@temp@{#1}}%
\else\def\@temp@{{#1#2}}\fi%
\fi\expandafter\@temp@}%
%
\def\@temp@{lplain-bilingual}% -E.P. wrong old def checking
\ifx\fmtname\@temp@\fi\issue\typeout{-64- %
\@txt@msg{ERROR: invalid \string\fmtname\space in lplain.tex}%
}\stop\fi%
%% code to test the shareware licence suppressed eFrench
\let\@tempc\relax% -AmS bug: \@tempc=\if.
%
\ifx\today\undefined\let\today\cejour\fi% -for lettre.cls
\ifx\today\undefined\fi\issue\typeout{^~J -52- %
%\@txt@msg{Error: the \frenchpack\space package doesn't run in }%
%\@txt@msg{such minimal document class, sorry!}}%

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    }\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 \kbttypeout.
\ifFW\kbttypeout% -..... 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\kbttypeout\undefined%
% Notice that \kbttypeout can be set to \relax\egroup by keyboard.sty.
\def\@kbttypeout[#1]#2{\ifEightBitOutput\let\@typeset@protect\protect\fi%
\let\@inpec@undefined@\@gobble% -To avoid loop.
\edef\@f@tempa{#2\empty}% -Expand it now and type out.
#1{\@f@tempa}\egroup}%
\def\kbttypeout{\kbIO[\typeout]}% -..... \kbttypeout
\def\kbIO{\bgroup% -..... \kbIO
\ifECM\fontencoding{OT1}\selectfont\fi% -Basic fontencoding needed.
%\nofrenchtypography% To apply only after \begin{document}.
\let\@no braces\@firstofone% -could be provided separately,
\let\protect\string%
\ifEightBitOutput% -eg by kbconfig.
\def\'##1{\expandafter\@no braces\@aiguORI##1}%
\def\'##1{\expandafter\@no braces\@gravORI##1}%
\def^##1{\expandafter\@no braces\@acchORI##1}%
\def"##1{\expandafter\@no braces\@tremORI##1}%
\def#c##1{\expandafter\@no braces\@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!

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```

\fi%
\@katypeout}%

\fi%
\ifx\@katypeout\undefined% -A default \@katypeout macro.
\def\@katypeout[#1]#2{#1{#2}\egroup}%

\fi%
\def\@tempb{\let\ifEightBitOutput\iffalse}%
\ifx\katypeout\typeout% -If no kb output encoding then set a correct \@fw cs.
\long\def\@tempa{\add@accent{19}}% -Case standard OT1 (re)loaded
\ifx\@tempa\@aiguORI\expandafter\@tempb\fi% -then force 7-bit.
\def\@fw#1{\iffW\bgroup\let\@no braces\@firstofone%
\ifEightBitOutput%
\ifx\charsubdef\undefined\else%
\def\'##1{\expandafter\@no braces\@aiguORI##1}%
\def\'##1{\expandafter\@no braces\@gravORI##1}%
\fi%
\else%
\let\protect\string\let\add@accent\@gobble%
\fi%
\@katypeout[\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\@finput#1{\InputIfFileExists{#1}{\@Ffnt{#1}}}%
\def\@NoFr{\f@issue\@fw{-3- \%
\@txt@msg{\frenchpack\space n'est pas actif ici !}}%
}%
\let\ifFrench\iffalse%
%
\ifx\addto\undefined% -..... \addto
\def\addto#1#2{\ifx#1\@undefined\def#1{#2}%
\else\ifx#1\relax\def #1{#2}%
\else{\toks@\expandafter{#1#2}%
\xdef#1{\the\toks@}}%
\fi%
\fi%
}%
\fi%
\def\fraddto#1#2{\addto{#1}{#2}% -..... \fraddto
\ifFrench\french\else\english\fi}%
% The following macro designed to protect against expansion.
\ifx\MakeRobustCommand\undefined% -..... \MakeRobustCommand
\def\MakeRobustCommand#1{\expandafter\expandafter\expandafter%
\let\expandafter\expandafter\csname #1 fp\endcsname%
\csname #1\endcsname%
\expandafter%
\edef\csname #1\endcsname{\expandafter\protect%
\expandafter\noexpand\csname #1 fp\endcsname}
}%
\fi%
%
\ifx\DocInput\undefined\else% -..... \DocInput
\let\fr@di\DocInput\def\DocInput#1{% -for ltxdoc.cls
\ifFrench\english\fr@di{#1}\french%
\else\fr@di{#1}%
\fi\relax}%
\fi%

```



```

\ifx\url\undefined\else% -..... \url
  \let\fr@ul\url\def\url#1{% -for hyperref package
    \ifFrench\english\fr@ul{#1}\french%
    \else\fr@ul{#1}%
    \fi\relax}%
\fi%
\ifx\xy\undefined\else% -..... \xy
  \let\fr@xy\xy\def\xy{% -for XY-pic and diagxy packages
    \ifFrench\nofrenchguillemets\DFPdp\fi\fr@xy}%
\fi%
\ifx\hyper@n@rmalise\undefined\else% -..... \href
  \let\fr@hne\hyper@n@rmalise\def\fr@hnr#1#2{\fr@hne{#1}{#2}}% -. \hyperref
  \def\hyper@n@rmalise{\ifFrench\english\expandafter\fr@hnr% -.. \hyperimage
    \else\expandafter\fr@hne\fi}%
\fi%
\ifx\PDFSCR@Info\undefined\else% -Remove last dot in sect. numbers of pdfscreen.
  \def\@secntformat#1{\protect\textcolor{section\thesection@level}%
    {\expandafter\upshape\cshape the#1\endcshape}\quad}%
\fi%
% The following should be obsolated:
\ifx\listing\undefined\else% -..... \listing
  \let\fr@li\listing% -Save current definition of \listing.
%\newcommand\listing[2][1]{...} definition inside moreverb package, i.e.:
\edef\listing{\noexpand\@protected\testopt\noexpand\listing%
  \expandafter\noexpand\cshape\string\listing\endcshape {1}}%
%% Old moreverb def: \def\listing{\@ifnextchar{\@listing}{\@listing[1]}}%
  \ifx\fr@li\listing%
    \def\listing{% -for moreverb package
      \ifFrench\expandafter\english\expandafter\fr@li%
      \else\expandafter\fr@li%
      \fi}%
  \else%
    \long\def\listing{% -for listing package
      \ifFrench\expandafter\english\expandafter\fr@li%
      \else\expandafter\fr@li%
      \fi\relax}%
  \fi%
\fi%
\ifx\inputlisting\undefined\else% -..... \inputlisting
  \let\fr@PL\lst@ProcessListing\def\lst@ProcessListing[#1]{%
    \ifFrench\english\fr@PL[#1]\french%
    \else\fr@PL[#1]%
    \fi\relax}%
\fi%
% For listings package > (or equal to) V0.2000
\ifx\lstlisting\undefined\else% -..... \lstlisting
  \let\fr@lsi\lstlisting\long\def\lstlisting{% -for listings package
    \ifFrench\expandafter\english\expandafter\fr@lsi%
    \else\expandafter\fr@lsi%
    \fi}%
\fi%
\ifx\lstinputlisting\undefined\else% -..... \lstinputlisting
  \let\fr@PL\lst@ProcessListing\def\lst@ProcessListing[#1]{%
    \ifFrench\english\fr@PL[#1]\french%
    \else\fr@PL[#1]%
    \fi}%
\fi%
%#<
\def\ifFrench#1\fi{\@NoFr}% -a temporary definition for error messages
%(\endnonfrench remains \undefined)

```

```

\def\originalinput#1{\ifFrench\english\@input{#1}\french% -..... \originalinput
\else\@input{#1}\fi\relax}%

\def\originaloutput[#1]{% -..... \originaloutput
\bgrou\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}%
\@input{\jobname.ind}}}%

\ifx\printnomenclature\undefined\else% -..... \printnomenclature
\let\@pne\printnomenclature% -No French warnings with the nomenclature
\def\printnomenclature{\nofrenchwarnings\@pne}% -package.
\fi%

\ifx\thebibliography\undefined\else%
\let\@tbs\thebibliography%
\let\fr@savebib\thebibliography%
\long\def\thebibliography#1{% -.....USUAL..... \thebibliography
\ifFLA%
\ifx\hyper@refstepcounter\undefined\else%
\stepcounter{subparagraph}%
\hyper@refstepcounter{subparagraph}%
\fi%

\ifx\bibname\undefined%
\addcontentsline{toc}{chapter}{\refname}%
\else%
\addcontentsline{toc}{chapter}{\bibname}%
\fi%

\fi%
\@tbs{#1}%
}%

\ifx\bt@stepcnt\undefined%
\else% -bibtopic mods adapted for jurabib too.
% A specific recoding is made for .....BIBTOPIC..... \thebibliography
% to allow bibtopic to extract de first three tokens which
% begin \thebibliography (e.g. \section*{\refname}).
\let\thebibliography\@tbs%
\let\bt@saveitem\bibitem%
\AtBeginDocument{\let\bt@savebib\fr@savebib}% -Give back thebibliography.
\def\@tempd#1#2#3#4\void{\def\@tempa{\noexpand#1}\def\@tempb{\noexpand#2}%
\def\@tempc{\noexpand#3}\def\@tbs##1{##4}}%
\expandafter\@tempd\thebibliography{\string#1}\void%
\edef\thebibliography#1{\@tempa\@tempb\@tempc%
\noexpand\@tbs{#1}\noexpand\@tbs}%

\def\@tbs{\ifFLA%
\ifx\hyper@refstepcounter\undefined\else%
\stepcounter{subparagraph}%
\hyper@refstepcounter{subparagraph}%
\fi%
\ifx\bibname\undefined%

```

```

        \addcontentsline{toc}{chapter}{\refname}%
    \else%
        \addcontentsline{toc}{chapter}{\bibname}%
    \fi%
\fi%
}%
\fi% -bibtopic test.
\fi% -\thebibliography defined?
%
\def\ifFLA{\ErrFrench}% -reset it to normal value here
\@ifundefined{disableindex}{}% -Ok index.sty is not loaded;
    {% -Otherwise we must redefine its \see
        \def\see#1#2{\seename\/ {#1}}% -which contains \emph{\seename}.
    }%
\@ifundefined{seealso}{}% -cf TUGboat V12#2 p290 and V13#1 p 95 .. \seealso
    \def\subsee#1#2{\seealsoname% -i assume this macro is defined in non-engl.
        \/ {#1}}% -the #2 consumes a comma or \dotfill
    \let\nosee@gobble% -consumes the page number
    \def\seealso{\bgroup\edef@temp@{\@ifNextNB[{\see@so}% -] case index.sty
        {\see@lso}}%
        \def\see@lso#1#2{\expandafter%
            \index@temp@{#1!zzzz@\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\fw{-4- %
%\@txt@msg{entering now "Poor-Man-French-Style" way}%
        }%
        \def\frenchname{pmfrench}}%
%#>
% Font processing
%
% look at \GOfrench for \footnotesize, \Huge, \smaller, \larger and co.
%
% information messages:
\fw{-24- %
%\@txt@msg{\frenchname.sty utilise dans ce document le codage de fonte }%
%\@txt@msg{\f@encoding.^^J}%
}%
%
\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%
    \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
      \ifGIAFelse\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\@gfont{\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{\ifECMO23\else(\fi% -) emacs
} %
\edef\@RP{% -( emacs
\ifECMO24\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\automaticletrine{\@noBDfr}%
\def\noautomaticletrine{\@noBDfr}%
\def\noeveryparguillemets{\@noBDfr}%
\def\everyparguillemets{\@noBDfr}%
\def\nofrenchlayout{\@noBDfr}%
\def\frenchlayout{\@noBDfr}%
\def\indentfirst{\@noBDfr}%

```

```

\def\nonindentfirst{\@noBDFr}%
\def\NouveauLangage{\@noBDFr}%
\def\letpunctutionactivefor{\@noBDFr}%
% This dirty hack to bypass ugly latex209 output routine of seminar slides.
\def\@tempa{\let\ifarticle\iffalse}%
\ifx\ifarticle\undefined\expandafter\@tempa\fi%
\ifx\@seminarerr\undefined\else\ifarticle\else%
\let\@soORI\shipout%
\def\shipout#1#2{\def\@tempa{slide}\def\@tempb{slide*}%
    {\ifx\@tempa\@currenvir\let\protect\noexpand%
    \else\ifx\@tempb\@currenvir\let\protect\noexpand\fi%
    \fi%
    \@soORI#1#2}%
    \global\let\shipout\@soORI% -just one time mod.
}%
\fi\fi% -\@seminarerr
% The new \hyphenation macro is used first at language.dat loading for frhyphex
\let\h@yphenation\hyphenation% -save original \hyphenation
\long\def\h@yphenation#1{\bgroup%
    \let\par\space% -For \h@yphenation.
    \def\-{ }% -Stops compound words.
    \let\allowhyphens\undefined% -but not \allowhyphens.
    \csname accenthyphcodes\endcsname%
    \lowercase{\edef\@tempa{#1}}%
    \h@yphenation{\@tempa}\egroup}%
%
\def\@tempa{\let\iffrenchbibliography\iftrue}%
\ifx\iffrenchbibliography\undefined\expandafter\@tempa\fi%
%
\ifx\nombre\undefined\else\let\@nomORI\nombre\fi%
%
\begingroup\obeyspaces%
\gdef\@nombre{\ifFTY\@mathcomma\obeyspaces\let =\,\fi}%
\endgroup%
\def\@nombre#1{\bgroup\let\ifFTY\iftrue\def\@tempa{#1}%
\def\,{\ifmmode\mskip\thinmuskip\fi}%
\if@filesw{\immediate\openout\@inputcheck=\jobname.tmp%
\let\protect\noexpand%
\ifmmode%
\immediate\write\@inputcheck{\protect\makeatletter%
\protect\@nombre%
\@tempa\ignorespaces}%
\else%
\immediate\write\@inputcheck{\protect\makeatletter%
\protect\@nombre%
$\@tempa$\ignorespaces}%
\fi%
\immediate\closeout\@inputcheck%
}%
\immediate\openin\@inputcheck=\jobname.tmp%
\immediate\read\@inputcheck to\@tempa%
\immediate\closein\@inputcheck%
\def\@tempa{\input{\jobname.tmp}}}%
\fi%
\@tempa\egroup%
}%
% French Lite defs:
\ifx\nombre\undefined\DeclareRobustCommand*{\nombre}{\@nombre}\fi%
\ifx\WindowsUnits\undefined% ..... \WindowsUnits
\def\WindowsUnits{\@wu}\fi%

```

```

%
\def\FileName{\bgroup% -..... \FileName
\def\@FNenc@loop##1##2{\@tempcnta'##1\relax%
                                \loop\catcode\@tempcnta=11%
                                \ifnum\@tempcnta<'##2\relax%
                                \advance\@tempcnta\@ne%
                                \repeat}%

    \@FNenc@loop\^^A\^^H%
    \@FNenc@loop\^^K\^^K%
    \@FNenc@loop\^^N\^^_%
    \@FNenc@loop\^^?\^^ff% -128-255
    \@FileName}%

\def\@FileName#1{\gdef\theFileName{#1}\egroup}% -..... \theFileName
%
\let\og\empty\let\fg\empty% -Guillemets for French light:
% Extrait de frenchb.ldf 2004/04/02 v1.6f on 2005/03/23:
\def\FrenchGuillemetsFrom#1#2#3#4{%
  \DeclareFontEncoding{#1}{-}{-}%
  \DeclareFontSubstitution{#1}{#2}{m}{n}%
  \DeclareTextCommand{\guillemotleft}{OT1}{%
    {\fontencoding{#1}\fontfamily{#2}\selectfont\char#3}}%
  \DeclareTextCommand{\guillemotright}{OT1}{%
    {\fontencoding{#1}\fontfamily{#2}\selectfont\char#4}}%
\def\CyrillicGuillemets{\FrenchGuillemetsFrom{OT2}{wncyr}{60}{62}}
\def\PolishGuillemets{\FrenchGuillemetsFrom{T1}{lmr}{19}{20}}
\def\LasyGuillemets{%
  \DeclareTextCommand{\guillemotleft}{OT1}{\hbox{%
    \fontencoding{U}\fontfamily{lasy}\selectfont(\kern-0.20em)}}%
  \DeclareTextCommand{\guillemotright}{OT1}{\hbox{%
    \fontencoding{U}\fontfamily{lasy}\selectfont)\kern-0.20em}}}%
\IfFileExists{t1lmr.fd}{\PolishGuillemets}{\LasyGuillemets}
\DeclareTextSymbolDefault{\guillemotleft}{OT1}
\DeclareTextSymbolDefault{\guillemotright}{OT1}
\def\guill@spacing{\penalty\@M\hskip.8\fontdimen2\font
  plus.3\fontdimen3\font
  minus.8\fontdimen4\font}
\DeclareRobustCommand*\begin@guill{\leavevmode
  \guillemotleft\penalty\@M\guill@spacing}
\DeclareRobustCommand*\end@guill{\ifdim\lastskip>\z@\unskip\fi
  \penalty\@M\guill@spacing\guillemotright\xspace}
\AtBeginDocument{\ifx\xspace\undefined\let\xspace\relax\fi}
\def\bb1@frenchguillemets{\renewcommand{\og}{\begin@guill}%
  \renewcommand{\fg}{\end@guill}}
\def\bb1@nonfrenchguillemets{\renewcommand{\og}{' '%}
  \renewcommand{\fg}{\ifdim\lastskip>\z@\unskip\fi ''}}
%%%%%%%%%%
\def\@ifo{% -\GOfrench 1st part: options to be defined at \begin{document}
\def\kbIO{\bgroup% -Is redefined at \begin{document}
  \ifECM\fontencoding{OT1}\selectfont\fi% -Basic fontencoding needed.
  \ifFTY\expandafter\nofrenchtypography\fi%
  \let\@nobraces\@firstofone% -could be provided separately,
  \let\protect\string%
  \ifEightBitOutput% -eg by kbconfig.
\def\'####1{\expandafter\@nobraces\@aiguORI####1}%
\def\'####1{\expandafter\@nobraces\@gravORI####1}%
  \def\^####1{\expandafter\@nobraces\@acchORI####1}%
  \def"####1{\expandafter\@nobraces\@tremORI####1}%
  \def#c####1{\expandafter\@nobraces\@cediORI####1}%
  \csname @kbspecials\endcsname% -Translation settings.
  \else% -7-bit output wanted.

```

```

\let\add@accent@gobble%
\def\set@display@protect{\let\protect\noexpand}% -Have spaces!
\fi%
\@kbttypeout}%
\let\s@owhyphens\showhyphens%
% Save original settings of \dospecials et \@sanitize
\let\@dsORI\dospecials% -.....\@dospecials.....original
\@ifundefined{@sanitize}{\def\@sanitize{\relax}}{}%
\let\@saORI\@sanitize% -.....\@sanitize.....original
\def\frenchhyphenation{%
    \ifFH\else\FHtrue% -.....\frenchhyphenation
    \edef\@uchORI{\the\uchyph}% -save previous uchyph value
    \def\@Hif{\ifFH}\let\@Hfi\fi%
    \lccode '\='\'%
    \ifx\lowercase\undefined\else\def\lowercase{\lowercase}\fi%
    \@ifundefined{allowhyphens}{% -..... \allowhyphens
        \def\allowhyphens{\ifhmode\nobreak\hskip\z@skip\fi}}{}%
    %% There is no need to change here left&right hyphenmin counts
    %% but other languages might have changed default values
    \@ifundefined{lefthyphenmin}{%
        {\lefthyphenmin=2\righthyphenmin=3}% -disallow x- or -xx breaks
        \@whatUCH% -set Upper Case Hyphenation whatsit
        \def\@tempa####1{\accenthyphcodes\hyphenation{####1}}%
        \ifx\@tempa\hyphenation\fi%
        \ifw{-41- %\@txt@msg{your format is out of date, }%
            %\@txt@msg{please run initex again!}%
        }\stop%
    \fi%
    \def\accenthyphcodes{% -Use fontencding just
        \let\@typeset@protect\protect% -in a
        \ifx\protect\noexpand\else% -typesetting process.
            \ifECM\else\fontencoding{T1}%
            \let\pickup@font@gobble%
            \let\size@update\relax\selectfont%
        \fi\fi%
        \let\hyphenation\fi%
        \def\showhyphens####1{\bgroup%
            \csname accenthyphcodes\endcsname%
            \protected@edef\@tempa{####1}%
            \s@owhyphens{\@tempa}\egroup}%
        \fi}% -\ifFH
\def\nofrenchhyphenation{%
    \ifFH\FHfalse% -.....\nofrenchhyphenation
    \lccode '\='=0%
    \let\hyphenation\hyphenation% -restore original \hyphenation
    \let\showhyphens\s@owhyphens%
    \ifx\lowercaseORI\undefined\else\let\lowercase\lowercaseORI\fi%
    \@ifundefined{lefthyphenmin}{%
        {\lefthyphenmin=2\righthyphenmin=3}% -disallow x- or -xx breaks
        \uchyph=\@uchORI% -reset original hyph. on words starting with capitals
    \fi}%
%#<
\edef\originalmathcomma% -..... \originalmathcomma
{\noexpand\mathcode',=\the\mathcode',}%
%#>
\@tempcnta=\the\mathcode',\@tempcntb=\the\mathcode',%
\divide\@tempcnta by 4096\relax% -On r'ecup'ere la classe (demi octet poids fort)
\multiply\@tempcnta by -4096\relax% -en 'eliminant les poids faibles.
\advance\@tempcntb by \@tempcnta% -On garde le restant de poids faible.
\edef\@tempb{\noexpand\mathcode',=\the\@tempcntb}% -French is usually "013B.

```



```

\advance\@tempcntb by 24576\relax%
\edef\@tempa{\noexpand\mathcode'\the\@tempcntb}% -Regular is usually "613B.
% Regular LaTeX math code for comma is usually "613B (ie 24891).
\edef\regularmathcomma{% -..... \regularmathcomma
    \noexpand\def\noexpand\@mathcomma{\@tempa}%
    \noexpand\@mathcomma}%
\def\@tempa{\if\space\next\else\mathord\fi\mathcomma}%
\let\ifFTY\iftrue% -For the following definitions:
\ifx\@tempa\sm@rtcomma% -In case icomma is in force we use:
  \def\frenchmathcomma{% -..... \frenchmathcomma
\def\@mathcomma{\ifFTY\mathcode'\the\@tempcntb}%
    \@mathcomma}%
\else% -otherwise:
\edef\frenchmathcomma{% -French math code for comma is usually "013B (ie 315).
    \noexpand\def\noexpand\@mathcomma%
    {\noexpand\ifFTY\@tempb\noexpand\fi}%
    \noexpand\@mathcomma}%
\fi%
\frenchmathcomma% -Is the default for french.
\def\ifFTY{\ErrFrench}%
%
\def\nofrenchtypography{% -.....\nofrenchtypography
    \let\ifFTY\iffalse\let\if@Back\ifFTY%
% Reset OT1 definition of \textbackslash to undefined.
\expandafter\let\csname OT1\string\textbackslash \endcsname\undefined%
%#<
    \notabbingaccents% -usefull in T1 too with 8bits chars.
%#>
    \nofrenchguillemets% -reseting our guillemets
    \nofrenchbguillemets% -and those as frenchb
    \sloppy% -may extend line past the right hand
    \nonfrenchspacing%
    \regularmathcomma%
    }%
\def\frenchtypography{% -.....\frenchtypography
    \let\ifFTY\iftrue\let\if@Back\ifFTY%
% Add OT1 definition of \textbackslash, missing inside \LaTeX.
\expandafter\let\csname OT1\string\textbackslash \endcsname\@boiORI%
    \let\ifLPA\iffalse% -default is clean...
    \typedspaces%
%#<
    \nowrongtypedspaces%
    \tabbingaccents% -usefull in T1 too with 8bits chars.
    \englishquote\englishdoublequotes%
    \nolabelsinmargin%
    \frenchguillemets%
%#>
    \frenchbguillemets%
%#<
    \normalbrackets\todayguillemets%
    \guillemetsinroman\guillemetsinarrays%
%#>
    \edef\@tempa{\the\vfuzz}% -AmS may have changed \vfuzz
    \fussy% -must not extend line past the right hand
    \vfuzz=\@tempa% -and should not change \vfuzz
    \frenchspacing%
    \frenchmathcomma%
% \nooverfullhboxmark% std LaTeX default not plain
    }%
\def\nofrenchtranslation{%

```

```

\let\iffTR\iffalse\@cORI}% -.....\nofrenchtranslation
\def\frenchtranslation{%
\let\iffTR\ifftrue\captionsfrench}% -...frenchtranslation
\let\frenchguillemets\relax\let\nofrenchguillemets\relax%
\let\frenchbguillemets\bbl@frenchguillemets% -..... \frenchbguillemets
\let\nofrenchbguillemets\bbl@nonfrenchguillemets% -..... \nofrenchbguillemets
%#<
\def\frenchguillemets{%
\let\iffG\ifftrue% -..... \frenchguillemets
\let\guillemets\@LG%
\let\endguillemets\RG%
\let\guillemotleft\f@guillemets%
\let\guillemotright\endf@guillemets%
\AFPinfssup}%
\def\nofrenchguillemets{%
\let\iffG\iffalse% -..... \nofrenchguillemets
\let\guillemotleft\@gotl%
\let\guillemotright\@gotr%
\let\guillemets\f@guillemets%
\let\endguillemets\endf@guillemets%
\DFPinfssup}%
\def\noeveryparguillemets{\let\iffEPG\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}%
}%
\group\group%
\def\guillemets{\group%
\let\endguillemets\egroup}}%
}%
\def\everyparguillemets{\let\iffEPGR\iffalse% -..... \everyparguillemets
\let\iffEPG\ifftrue%
\let\guillemets\@LG%
\let\endguillemets\RG%
}%
\def\everyparguillemetsremoved{%
\let\iffEPGR\ifftrue}% -..... \everyparguillemetsremoved
%#>
\def\@tempa{\global\let\iffCLA\iffalse}% -If not already set, no defaultly
\ifx\iffCLA\undefined\expandafter\@tempa\fi% -constant language layout.
\def\ConstantLayout{\global\let\iffCLA\ifftrue% -.....\ConstantLayout
\expandafter\let\csname ifCLA\languagenamename\endcsname\ifftrue%
\def\@tempa{\let\iffbbbf language\ifftrue}%
\ifx\iffbbbf language\undefined\@tempa\fi%
\def\@tempa{\iffbbbf language\else%
\f@issue%
\@fw{-85- \@txt@msg{Attention \string: l'option fix language }%
%\@txt@msg{n'a pas ete fournie a l'appel de babelbib}%
}\fi%
}%
\ifx\@nodocument\relax\@tempa%
\else\ifx\btselectlanguage\undefined%
\PassOptionsToPackage{fix language}{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\noautomaticletrine%
\frenchtrivsep}%
\def\frenchwarnings{\let\ifFW\iftrue% -..... \frenchwarnings
\frenchtrivsepwarnings}%
\def\nofrenchwarnings{\let\ifFW\iffalse% -..... \nofrenchwarnings
}% -This code is not completed.
%#<
\def\nofrenchmacros{\let\ifFMA\iffalse}% -.....\nofrenchmacros
\def\frenchmacros{\let\ifFMA\iftrue\@ifm% -.....\frenchmacros
\let\@ifm\relax}% -release memory
%#>
}% -end of \@ifo {\GOfrench part 1}
%#<
\long\def\usersfrenchoptions% -..... \usersfrenchoptions
{\bgroup\makeatletter%
% \expandafter\makeatother%
\expandafter\egroup%
\g@addto@macro\@ufo}%
%#>
\ifx\@ufo\undefined%
\let\@ufo\empty% -necessary for babel when loading
\fi%
%
%..... Modified TeX macros
%
\def\prim@s{\prime\futurelet\@let@token\pr@m@s}%
\def\pr@m@s{\ifx\@cilq\@let@token\expandafter\pr@@@s%
\else\ifx\@let@token\expandafter\expandafter\expandafter\pr@@@t%
\else\egroup\fi%
\fi}%
\let\@fsORI\frenchspacing% -modified for guillemets..... \frenchspacing
\def\frenchspacing{\@fsORI\ifECM\sfcode'\(=0\sfcode'\)=1000\fi}%
%%%%
% let < ' : ' > active for the following macros and
\catcode'<=\active\catcode'>=\active\catcode'='=\active%
\catcode':=\active\catcode'='=\active%
\let<=\inferieura\let>=\superieura% -define them for french light.
\def\@Fstr{\def<{\@LSG}\def>{\@RSG}\def' {\@SLQ}\def' {\@SRQ}%
\def: {\deuxpoints}%
\let\dGs\empty}% -Nullify any \dGs macro from keyboard.sty.
\def\@LiN{\let\@sogORI<\let\@sfgORI>\let\@lqORI'\let\@rqORI'%
\let\@dpORI:\@Fstr\@ifFTYfalse}%
\def\@LiB{\let<\@sogORI\let>\@sfgORI\let'\@lqORI\let'\@rqORI%
\let:\@dpORI\@ifFTYback}%
\catcode\lq:=12%
\let\@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.
    \@G{vvr}{vref}{/}{1}% -..... \vref
    \@G{vpr}{vpageref}{1}{1}% -..... \vpageref
    \@G{vpr}{vpagerefrange}{1}{2}% -..... \vpagerefrange
    \def\reftextpagerange##1##2{% -..... \reftextpagerange
        pages~\pageref{##1}\ifFTY -\else --\fi\pageref{##2}}%
        }%
    }{}%
\fi%
\def\ifFTY{\ErrFrench}% -Reset original value.
% Take in account the beamer class (don't use \l@chapter)
\@ifclassloaded{beamer}{\let\l@chapter\empty%
    \def\beamer@captiontemplate{\small\structure%
        {\insertcaptionname\captionseparator\space}%
        \insertcaption}
    }{}%
%
\def\GOFrench{% -this is the code to initiate the French style
    \def\special##1{\@ifFTYfalse\bgroup\Fstr\@s@ORI{##1}%
        \egroup\@ifFTYback}%
    \let\@noBDFr\relax% -release french options/commands now
    {\catcode\lq\<=\active\ifx<\undefined\else\global%
        \let\@MLSG<\global%
        \def\@LSG{\ifmmode\@MLSG\else\inferieura\fi}\fi}%
    {\catcode\lq\>=\active\ifx>\undefined\else\global%
        \let\@MRSG>\global%
        \def\@RSG{\ifmmode\@MRSG\else\superieura\fi}\fi}%
\ifPMF\def\pmpfrench{}\def\noeveryparguillemets{}\def\@stared{}%
    \def\@desarm{}\def\@qqquotes{}\def\@staring{}\def\@fniv2{}\fi%
\def\sm@llerthree{\protect\sm@ller\protect\sm@ller\protect\sm@ller}
\@ifundefined{smaller}{\def\sm@ller{\small}% -... you can use ...[smaller.sty]
    \let\sm@llerthree\scriptsize%
    \def\l@rger{\large}}%
    {\def\RSsmallest{4pt}% -... you can use ...[resize.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 hyperref < 6,69f
%\ifx\undefined\pdfstringdef\@tempa% Using pdfTeX hyperref should
% \else\ifx\theHchapter\undefined% have no \thechapter otherwise
% \else\@tempa% it complains arguing there is a duplicate section
% \fi% #,
%\fi% so we no more define \thechapter in that case.
\@ifundefined{l@chapter}{% -..... \l@chapter
\def\@tempa{%
  \def\l@chapter####1####2{\addpenalty{-\@highpenalty}%
  \vskip 1.0em plus\p@\@tempdima 1.5em% -numbering size
  \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%
    \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]}% -]emac
}%
\def\atgN##1{\@ifNextNB[{\@gM@@{##1}}{\@gM@@{##1}[\empty]}% -]emac
}%
\def\@gM@@##1[##2]##3{\@gM@@{##1}[##2]{##3}{}}%
\def\@gM@@##1[##2]##3##4{\bgroup\@ifFTYfalse\@Fstr%
\edef\@temp@{\noexpand\@gG@{##3}{##4}}\egroup%
\ifx\empty##2\let\@gG@=\empty%
\else\protected@edef\@gG@{##2}\fi%
\let\@typeset@protect\protect%
\protected@edef\@temp@{\noexpand\expandafter%
\noexpand\expandafter%
\noexpand\csname @##1@ORI\noexpand\endcsname%
\@temp@}\@temp@}%
% Nullify Babel mechanism which doesn't run correctly in its current version
\ifx\babel@sanitize@arg\undefined\else%
\def\babel@sanitize@arg##1{##1}%
\wlog{\frenchname.sty\string: use of the babel package force me to nullify %
\noexpand\babel@sanitize@arg.}%
\fi%
\ifx\ifthenelse\undefined\else\let\@iTeORI\ifthenelse%
\long\def\ifthenelse##1##2##3{\@ifFTYfalse\@iTeORI{##1}%
{\@ifFTYback##2}{\@ifFTYback##3}}%
\fi%
\ifx\texttt\undefined\else\@gG{xt}{texttt}{/}{1}% -..... \texttt
\MakeRobustCommand{texttt}\fi%
\ifx\hyperbaseurl\undefined\else\@gG{hl}{hyperbaseurl}{/}{1}\fi% -. \hyperbaseurl
\ifx\Ginclude@graphics\undefined\else\@gG{ig}% -..... \Ginclude@graphics
{Ginclude@graphics}{/}{1}\fi% -. (\includegraphics)
% As \citeyear is in various packages we check first for natbib.sty and
\ifx\NAT@citex\undefined% -then modify all \cite... commands via \@citex.
\ifx\cite\undefined\else\@gG{c}{cite}{1}{1}\fi% -..... \cite
\ifx\citeyear\undefined\else\@gG{cy}{citeyear}{/}{1}\fi% -..... \citeyear
\else% -..... Natbib \cite...
\let\@cxORI\@citex%
\def\@citex[##1][##2]##3{\@ifFTYfalse%
\let\mbox\mboxORI%
\@cxORI[##1][##2]{##3}\aftergroup\@ifFTYback}%
%%%%%%%%%%
%Following code for Natbib and jurabib wrong, obsolete and misplaced.2006/08/15
%\@gG{fc}{fullcite}{1}{1}%
%\@gG{cin}{citation}{/}{1}%
%\def\@lbibitem[##1]##2{\protected@edef\jb@key{##2}\def\jb@tempb{##1}}%
\@gG{cin}{citation}{/}{1}% -.....\citation
\ifx\ifjb@index@bib\undefined\let\ifjb@index@bib\iffalse\fi%
\ifx\jb@lbibitem\undefined\else% -..... JURABIB ..... \jb@lbibitem
% Modify jurabib definition of \jb@lbibitem as of jurabib v0.6 (2004/01/25)
% with a \protected@xdef for \jb@key.
\def\jb@lbibitem[##1]##2{%
\gdef\jb@tempb{##1}%
\protected@xdef\jb@key{##2}\gdef\jb@key{##2}%
\ifjb@index@bib%
\jb@call@index{aut}{##2}%
\jb@call@index{ed}{##2}%
\jb@call@index{org}{##2}%

```

```

\fi%
\endgroup}%
\@G{fc}{fullcite}{1}{1}% -.....JURABIB.....\fullcite
\fi%
\fi%
\ifx\nocite\undefined\else\@G{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\@G{bc}{bibcite}{1}{1}\fi%..... \bibcite
\ifx\backcite\undefined\else\@G{bc}{backcite}{/}{2}\fi% -..... \backcite
\ifx\bibitem\undefined\else\let\@biORI\bibitem% -..... \bibitem
\def\bibitem{\@LiN\@ifNextNB[{\@biCb}{\@biCa}% -]emac
}%
\def\@biCa##1{\@biORI{##1}\@LiB}%
\def\@biCb##1##2{\@biORI{##1}{##2}\@LiB}%
\fi%
\expandafter\ifx\string\bt@item\undefined% -... bibtopic \bt@item
\else\@G{bti}{\string\bt@item}{1}{1}%
\fi%
% Take in account varioref package if present at \begin{document}:
\ifx\vref\undefined\else% -Nullify \@vrfCode if varioref is
\ifx\reftextvario\undefined\let\@vrfCode\undefined% -now loaded.
\fi\fi%
%
\ifx\ref\undefined\else\@G{r}{ref}{/}{1}\fi% -..... \ref
\ifx\tag\undefined\else\@G{tG}{tag}{/}{1}\fi% -..... \tag
\ifx\pageref\undefined\else\let\pageref@ORI\pageref%
\let\@pageref\pageref\@G{fpr}{f@pageref}{/}{1}%
\def\pageref{\ifFTY\expandafter\@pageref\else% -.....\pageref
\expandafter\pageref@ORI\fi}%
\fi%
\csname @vrfCode\endcsname% -load mods for varioref package \vref, \vpageref
\edef\@lim{\let\ifMOVING\iffalse%
% The label for the subfigure package ..... \sf@sub@label
\ifx\sf@sub@label\undefined\else\@G{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?

```

```

\bgroupp@Fstr@lORI{###1}\egroup@ifFTYback}%
}%
\ifx\fr@RIfM@cls\undefined\else% -isolate maketitle action with AmS classes.
\let\@mtORI\maketitle% -..... \maketitle
\def\maketitle{\@mtORI}% -avoid removing of keywords environnement.
\fi%
\ifx\label\undefined\else\let\@lORI\label% -..... \label
\@temp@% -new def apply
\let\ltx@label\label% -for amsmath.sty
\fi%
%instead this coding, active chars in \label must be protected inside a \thanks
% As the internal macro of \newlabel is \@newl@bel #1 the following
% definition of \newlabel is removed and replace by \@newl@bel.
%\ifx\newlabel\undefined\else\@gG{n1}{newlabel}{/}{1}\fi%..... \newlabel
\ifx\@newl@bel\undefined\else\@gG{n1}{@newl@bel}{//}{3}\fi% -..... \@newl@bel
\def\@temp@{%
\let\@aclORI\addcontentsline% -..... \addcontentsline
\global\let@ifCG@iftrue% -Nullify if-guillemets on a new sectioning
\def\addcontentsline###1###2###3{\@ifFTYfalse\bgroupp@Fstr%
\@aclORI{###1}{###2}{###3}\egroup@ifFTYback}%
}%
\@ifundefined{addcontentsline}{\gdef\addcontentsline###1###2###3{}}% -dummy def
{\@temp@}%
\let@ifFrench\iffalse% -let it be known now
\def\@temp@{%
\def\index{\bgroupp@ifFrench@DFP\fi% -Is further redefined
\expandafter\egroup\@iORI}% -inside \footnote.
}%
\ifx\index\undefined\else\let\@iORI\index% -..... \index
\@temp@% -new def apply
\fi%
%
\ifx\list\undefined\else% -Mods to keep track
\let\@liORI\list% -that we are in a list environment ..... \list
\fi%
\let\@topsepORI\topsep% -ans save original vertical
\let\@parttopsepORI\parttopsep% -spaces
\let\@itemsepORI\itemsep% -so that we could warn when
\let\@parsepORI\parsep% -user try to change them.
%\def\GOfrench{continuation -emacs pb-
\def\warn@seps{\def\topsep{\@w@s{\string\topsep}\@topsepORI}%
\def\parttopsep{\@w@s{\string\parttopsep}\@parttopsepORI}%
\def\itemsep{\@w@s{\string\itemsep}\@itemsepORI}%
\def\parsep{\@w@s{\string\parsep}\@parsepORI}%
\def\@tempa{verse}\def\@tempb{quotation}%
\ifx\@tempa\@currenvir\let\@w@s\@gobble\else%
\ifx\@tempb\@currenvir\let\@w@s\@gobble\fi%
\fi%
}%
\def\@w@s##1{\ifFTSW\fi@issue%
\@fw{-58- \%@txt@msg{valeur de ##1 ignor'ee}%
% dans l\string'environnement \@currenvir%
}[\##1]\fi}%
\def\org@seps{\let\topsep\@topsepORI%
\let\parttopsep\@parttopsepORI%
\let\itemsep\@itemsepORI%
\let\parsep\@parsepORI%
}%
\def\list###1###2{\def\@inAlist{\@liORI{##1}}{%
\ifx\@trivlist\@tLORI\else\warn@seps\fi%

```



```

##2\org@seps}}%
\ifx\@makecaption\undefined\else\let\@mcORI\@makecaption\fi% -.... \@makecaption
%
\ifx\captionseparator\undefined%
\def\captionseparator{~--}% -..... \captionseparator
\fi%
\let\iffTTY\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{\iffTTY\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\iffTTY{\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{\iffTTY%
\def\@secondofmany####1####2\void{####2}%
% Removed mod for empty \caption (pb with hyperref) 2007/06/28
% \protected@edef\@tempa{\@secondofmany##2\void}%
% The previous coding don't remove the unusefull \captionseparator:
\def\@tempa{\@secondofmany##2\void}% -To debug.
\ifx\@tempa\empty%
\let\captionseparator\empty%
\fi%
\@mcORI{##1}{\relax% -for AmSLaTeX V1.2 96/11
\captionfont{##2}}%
\else\@mcORI{##1}{##2}\fi}%
%
%Leslie claims that "The footnotemarker is regarded as having zero width, which
%is appropriate when it comes at the end of line"(p164) <== not a French habit.
\def\@temp@{%
\def\thanks####1{\global\let\@makefnmtext\fr@makefnmtext% -..... \thanks
\bgrou%
\iffTTY\ifhmode\ifdim\lastskip>\z@\unskip\fi\nobreak\fi%
\def\@footnotemark{\hbox{\@textsuperscript{\normalfont\, \@thefnmark}}}%
\fi\let\iffTTY\iffalse\@thORI{####1}%
\egrou%
}%
\ifx\thanks\undefined\else\let\@thORI\thanks\@temp@\fi%
\let\iffTTY\iffalse% -temp def for next processing
\ifx\@makefnmark\undefined\else\let\@mfnmORI\@makefnmark% -..... \@makefnmark
\def\@makefnmark{\iffTTY\hbox{\@textsuperscript{\normalfont%
\ifx\thefootnote\relax\else\, \fi%
\@thefnmark}}%
\else\@mfnmORI\fi}%
\fi%
\def\@temp@{\long\def\fr@makefnmtext####1{% footline starts here %

```

```

\group%
\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\group\textnormal\group%
\def\@temp@{%
\ifx\frORI\@cls\undefined% -Remove space when \thanks and AmS classes.
\ifx\thanks\relax\else\kern-1.1\parindent\fi% -.1 should be explained.
\else \kern-\parindent% -otherwise remove superfluous spacing.
\fi%
%\@ifnextchar\relax{\def\@temp@{,}}% Preferred:
\@ifnextchar\relax{\def\@temp@{\hphantom{.}\kern+0.25em}}%
{\def\@temp@{.\kern+0.25em}}%
}%
\expandafter\@temp@\@tfnORI\@temp@%
}%
\leavevmode\kern+0.5em% -add some spacing for at least 3 digits
\else\def\@thefnmark{\@tfnORI,}\fi% -add thin space in mpfootmarks
\fi\@mfntORI{###1}\egroup}% -\@makefntext
}%
\let\@mfntORI\@makefntext\@temp@%
\let\@makefntext\fr@makefntext% -..... \@makefntext
\def\ifFTY{\ErrFrench}%
\let\@fntORI\@footnotetext% -nullify marginpar in ..... \@footnotetext
\long\def\@footnotetext##1{\bgroup\let\if@labelsinmargin\iffalse%
\@fntORI{##1}\egroup}%
% Why \footnote doesn't \unskip the previous space?
% Allow hyphenation too with \nobreak (as suggested by Bernd Raichle)
\let\@fnORI\footnote% -..... \footnote
\def\footnote{\bgroup%
\def\index{\@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\@Fxfloat##1[##2]{\@xfORI{##1}[##2]\csname @Fend\@currentenv\endcsname}%
\let\@fgeORI\figure\let\@efgeORI\endfigure% -needed for figurette
\def\@temp@{\let\@fgeORI\figure% -..... \figure
\def\figure{\let\ifMOVING\iftrue%
\let\if@minipage\iftrue%
\@set@fr@fn@%
\ifx\@xfORI\undefined%
\let\@xfORI\@xfloat\let\@xfloat\@Fxfloat%

```

```

\fi%
\@fgeORI}}%
\ifx\figure\undefined\let\@temp@\relax\fi\@temp@%
\def\@Fendfigure{\let\@efgeORI\endfigure% -..... \endfigure
\def\endfigure{\@efgeORI%
\ifx\@lim\empty\else\marginpar{\@lim@}%
\edef\@lim{\}\fi\let\ifMOVING\iffalse}}%
\ifx\endfigure\undefined\let\@Fendfigure\relax\fi%
\let\@cnORI\caption% -\caption is redefined in the table environment :
\def\@tablescaption{\@dblarg\@tblcaption}% -footnote will be only
\let\mboxORI\mbox% -save \mbox definition.
\def\mbox##1{\leavevmode\hbox{\protect\@set@fr@fn@##1}}% -..... \mbox
\def\@set@fr@fn@{\ifFrench\let\footnote\fr@footnote\fi}% -Footnote's text lost
\def\fr@footnote{\@ifNextNB[\fr@fn@{\fr@fn@[]}% -] in tables
}% -caption.
\def\fr@fn@[##1]##2{\footnotemark%
\fi%
\@fw{-8- % -\@txt@msg{\string\footnotetext{##2} perdu.}
%\@txt@msg{Coder \'event. \string\protect\string\footnote}%
}##2}% -\mbox
}%
\def\@tblcaption[##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\begin%
\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\begin%
\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@}%
\edef\@lim{\fi\let\ifMOVING\iffalse}%
}%
\ifx\endtable\undefined\let\@Fendtable\relax\fi%
\def\@temp@{\def\endtable{\iffLA\endgroup% -\endtable may be \relax
\expandafter\let\csname endtable*\endcsname\endtable% -as in endfloat
\fi}%
}%
\ifx\endtable\relax\@temp@% -is also used in frenchll for testing purpose
\fi%
\expandafter\def\csname @Fendtable*\endcsname{% -Will be called by \@Ffloat.
\expandafter\let%
\expandafter\@dbetORI\csname endtable*\endcsname% -..... \endtable*
\expandafter\def%
\csname endtable*\endcsname{\iffLA\par%
\vskip-\lastskip% -make footnotes here
\ifvoid\@mpfootins\else\vskip\skip\@mpfootins%
\footnoterule\unvbox\@mpfootins\fi%
\fi\@dbetORI\iffLA\endgroup\fi%
\ifx\@lim\empty\else\marginpar{\@lim@}%
\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%
\leftthyphenmin=12\rightthyphenmin=10\relax%
\let\enddrapeaufgIN\par\fi}%
\def\drapeaufd{\iffLA\raggedleft% -..... \drapeaufd
\let\enddrapeaufd\par\fi}%
\def\drapeaufdIN{\iffLA% -..... \drapeaufdIN
\raggedleft\hfuzz=6em%
\leftthyphenmin=12\rightthyphenmin=10\relax%
\let\enddrapeaufdIN\par\fi}%
%#>
%\GOfrench{ -emacs pb-
% continuing definition of \GOfrench
\ifx\undefined\Hy@PDFDef\let\Hy@PDFDef\pdfstringdef\fi% -..... \pdfstringdef
\ifx\undefined\Hy@PDFDef\else% -For the old hyperref package.
\let\@hpdORI\Hy@PDFDef%
\def\Hy@PDFDef##1##2{\@ifFTYfalse\afterassignment%
\@Fstr\@hpdORI{##1}{##2}\@ifFTYback}%
\fi%
\ifx\pdfstringdef\undefined\else%
\let\pdfstringdef\Hy@PDFDef%

```

```

\fi%
    \let\@lti\labelitemi\let\@ltii\labelitemii%
    \let\@ltiii\labelitemiii\let\@ltiv\labelitemiv%
    \@ifo% -define French options, GOfrench part 1
    \let\@ifo\undefined% -now release memory
    \doFh% -process language.dat, GOfrench part 2
    \let\@doFh\undefined% -release memory
    \let\hyphex\undefined\let\frhyphex\undefined%
    \let\@temp@\undefined%
    \let\ifFTY\iffalse\let\ifFTR\iffalse% -if begin language isnt
    \let\ifFLA\iffalse\let\ifFMA\iffalse\let\ifFH\iffalse% -french
% Get original \everypar control command but not hebrew macro.
\def\@tempa##1{\o@everypar{\rl@everypar##1}}%
\ifx\@tempa\everypar\let\TeXeverypar\o@everypar%
\else\let\TeXeverypar=\everypar%
\fi%
%
% As eTeX is bugged (no respect of \csname beginL\endcsname=\relax when
% TeX--XeT option disabled), Philip Taylor suggested the following code
% to replace the test about \beginL:
% \ifx\beginL\undefined\else%
    \ifx \TeXXeTstate \undefined%
        \edef \next {\ifx \beginL \undefined 00\else 01\fi}%
    \else%
        \edef \next {\ifnum \TeXXeTstate = 0 00\else 01\fi}%
    \fi%
    \if \next\let\beginL\relax\let\beginR\relax% -patch eTeX.
    \else%
% assume Left to right for *the* document if TeX--XeT.
        \edef\@fepORI{{\the\TeXeverypar}}%
        \def\@SetBFWdirection{\csname begin%
            \beginFWdirection\endcsname}%
            \TeXeverypar={\@SetBFWdirection%
                \let\@SetBFWdirection\relax%
                {\let\@nodocument\relax% -In case hebrew.
                \@fepORI}}}%
    \fi%
    \let\ErrFrench\@Ffnt\def\@Fnt##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
    \f@issue%
    \@fw{-42- %

```

```

%\@txt@msg{The French patch file (frpatch.sty) is not suitable^^J}%
%\@txt@msg{for this version of the "\frenchpack" package dated \FSfd}%
}
\batchmode\@end%
\fi%
\let\@Ffont\ErrFrench\let\ErrFrench\undefined% -ditto
%% Since "msg" is in use, \InputIfFileExists no more input the file, why?
%% \InputIfFileExists{\frenchname.cfg}{% load site config file.
%% \f@issue%
%% \@fw{-48- %\@txt@msg{Lecture du fichier de }%
%% %\@txt@msg{configuration de \frenchpack}%
%% }}{}%
%% so we now call \IfFileExists ... \@finput
\IfFileExists{\frenchname.cfg}{% -load site config file.
\fi%
\@fw{-48- %\@txt@msg{Lecture du fichier de }%
%\@txt@msg{configuration de \frenchpack}%
}%
\@finput{\frenchname.cfg}}{}%
\beginlanguage}% -now the new language (end of \GOfrench)
%
\let\@dORI\document% -..... \begin{document}
\def\document{% -\slidesonly of seminar must not gobble me!
\ifx\noxcomment\undefined\else%
\global\let\@xhk\xcomment@hook\global\noxcomment\fi%
\ifx\btselectlanguage\undefined%
\else\ifx\babel@savevariable\undefined%
\fi%
%\@txt@msg{ERREUR \string: }%
%\@txt@msg{babelbib s'utilise uniquement avec babel}%
}%
\stop%
\fi%
\ifx\@bglngpk\babel@savevariable%
\else% -Babel loaded after french.
\fi%
%\@txt@msg{ATTENTION : }%
%\@txt@msg{si babel est utilis'e, mettre \frenchname\space en option}%
}%
\fi\let\@bglngpk\undefined%
\@dORI% -execute original \document
\GOfrench% -now initiate the style
\let\GOfrench\undefined% -release memory
\ifx\noxcomment\undefined\else\let\xcomment@hook\@xhk%
\expandafter\xcomment@hook\fi}%
% now reset < ' ' > as other chars
\@makeother'\@makeother<\@makeother>\@makeother'
% ReRead of aux file at \end{document} may create problems.
% As French things are already applied, so it's unuseful after \end{document}
\let\enddocumentasusual\enddocument% -..... \enddocument
\def\enddocument{\def\@tempa{\AtEndDocument{\french\@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\allowfulluchyph{\@noBDfr%
    \uchyph=1\let\@whatUCH\allowfulluchyph% -.. \allowfulluchyph
    \let\@uchbox\empty}%
\def\allowuchyph{\@noBDfr%
    \uchyph=1\let\@whatUCH\allowuchyph% -..... \allowuchyph
    \let\@uchbox\hbox}%
\def\disallowuchyph{\@noBDfr%
    \uchyph=-1% -..... \disallowuchyph
    \let\@whatUCH\disallowuchyph\let\@uchbox\hbox}%
\def\notthyphenation{\@noBDfr%
    {\tt\hyphenchar\font=-1}% -.....\notthyphenation
    \let\ifTTH\iffalse}%
\def\tthyphenation{\@noBDfr%
    {\tt\hyphenchar\font='\-}% -..... \tthyphenation
    \let\ifTTH\ifftrue}%
\let\@whatUCH\allowuchyph% -is normaly the TeX default
\let\ifTTH\iffalse% -we presume that there no tt hyph. by default
\let\ifFH\iffalse% -we assume we start with no French hyphenation (wrong!)
%
% A macro asking to load a language specific exceptions file.
% Argument provides the language name. File name is in language.dat
\def\hyphex#1% -available before \begin{document}
    \if#1\empty% -..... (\hyphex)
    \else% -a general macro for other languages
        \edef\@excn{#1}\fi%
        \let\ifFE\ifftrue}% -\hyphex{} before begin document will
% % load exceptions files

```

```

\def\frhyphex{% -available before \begin{document}
    \if@PMF\else\hyphex{\frenchname}\fi}% -..... \frhyphex
%#>
% =====
% | Translations |
% =====
%
% The following is to ‘repair’ default captions used in standard V2 styles
% prior October 91 as "Figure n:" and "Table n:".
\def\@eatDP{\@ifNextNB:{\@gobble}{}}%
%\def\@eatP#1{\@ifNextNB.{\@gobble}{}}% for any AmS class
\def\@ffrench{\ifx\listoffigures\relax\else%
    \figurename~\thefigure\ifFTY\captionseparator\fi\fi%
    \ifFTY\expandafter\@eatDP\fi}%
\def\@tfrench{\ifx\listoftables\relax\else%
    \tablename~\thetable\ifFTY\captionseparator\fi\fi%
    \ifFTY\expandafter\@eatDP\fi}%
\def\unnumberedcaptions#1{\@noBDFr%
%..... \unnumberedcaptions
    \expandafter\let\csname listof#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\languagename{french}% -... any further msg message with \kbencoding.
\let\ifnonenglishheadings\iftrue% -Bypass to a LaTeX slight bug...
%#<
\def\tocreduite#1#2{% -Reduce toc to a toc-summary for \sommaire.
\def\@sEAT#1#2{\@sORI*{\sommairename}}% -Normally a \sommaire is short
\def\@cEAT#1#2{\@chORI*{\sommairename}}% -and need no headings.
\def\@smr[#1]{\let\@tempa\contentsname% -Save it for
    \let\contentsname\sommairename% -memoir.cls.
    \ifx\tableofcontents\undefined\else%
        \begingroup\ifcase #1 0% -Process \sommaire[1-4]
    \or \let\l@paragraph\tocreduite% -.....\sommaire[1]
        \let\l@subparagraph\tocreduite%
    \or \let\l@subsubsection\tocreduite% -. \sommaire[2]
        \let\l@paragraph\tocreduite%
        \let\l@subparagraph\tocreduite%
    \or \let\l@subsection\tocreduite% -.....\sommaire[3] DEFAULT
        \let\l@subsubsection\tocreduite%
        \let\l@paragraph\tocreduite%
        \let\l@subparagraph\tocreduite%
    \else \let\l@section\tocreduite% -.....\sommaire[4]
        \let\l@subsection\tocreduite%
        \let\l@subsubsection\tocreduite%
        \let\l@paragraph\tocreduite%
        \let\l@subparagraph\tocreduite%
        \fi%
    \let\@sORI\section\let\@chORI\chapter%
    \let\section\@sEAT\let\chapter\@sEAT%
    \let\@ToCisNOT\relax% -let it be a sommaire first ie there is no toc
\def\@starttoc##1{% -\@starttoc locally redefined to let toc reusable
    \ifx\fr@RIfM@cls\undefined% -special case AmS document class
        \else\chapter*{\sommairename}% -print sommaire now

```



```

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

```

```

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

```

```

\def\printglossary{\@ifNextNB[% -] emacs
                    {\@pgf}{\@pgf[\jobname.gls]}}%
\fi%
\fi\fi}% -\input \jobname.glo will typeset the glossary
%#>
\def\datefrench{%
\def\todayfrench{\ifx\ier\undefined\def\ier{er}\fi%
                 \ifnum\day=1\relax 1\ier%
                 \else \number\day\fi%
                 \space\ifcase\month\or janvier\or f\`evrier\or mars\or %
                 avril\or mai\or juin\or juillet\or ao\`ut\or septembre\or %
                 octobre\or novembre\or d\`ecembre\fi \space\number\year}%
}\datefrench%
\if@filesw
  \def\ordinalSecondNam{{s}econd}%
  \def\ordinalSecondName{{s}econde}%
\else%
  \def\ordinalSecondNam{{d}euxi\`eme}%
  \let\ordinalSecondName\ordinalSecondNam%
\fi%
\def\@osn#1#2{\expandafter\ifx\csname#1osn\endcsname%
               \relax#2\else\csname#1osn\endcsname\fi}%
\def\ordinal#1{\ifcase\value{#1}\or {p}remier%
               \or\@osn{#1}{\ordinalSecondNam}\else\ordin@l{#1}\fi}%
\def\ordin@l#1{\ifcase\value{#1}\or\or\or %
               {t}roisi\`eme\if@filesw{\protected@write\@auxout}{%
               \protect\expandafter%
               \protect\gdef\protect\csname#1osn%
               \protect\endcsname%
               {{d}euxi\`eme}}}%
               \fi%
               \or {q}uatri\`eme\or {c}inqui\`eme\or {s}ixi\`eme\or %
               {s}epti\`eme\or {h}uiti\`eme\or {n}euvi\`eme\or {d}ixi\`eme\or %
               {o}nzi\`eme\or {d}ouzi\`eme\or {t}reizi\`eme\or {q}uatorzi\`eme\or %
               {q}uinzi\`eme\or {s}eizi\`eme\or {d}ix-septi\`eme\or {d}ix-huiti\`eme\or %
               {d}ix-neuvi\`eme\or {v}ingti\`eme\fi}%
\def\ordinaire#1{\ifcase\value{#1}\or {p}remi\`ere%
                 \or\@osn{#1}{\ordinalSecondName}\else\ordin@l{#1}\fi}%
\def\Ordinal{\expandafter\uppercase\ordinal}%
\def\Ordinaire{\expandafter\uppercase\ordinaire}%
%
\def\captionsfrench{% -..... \captionsfrench
\ifFTR% -Is French translation allowed?
\ifx\captionsnames\captionsfrench\else%
\let\@tdORI\today% -..... \today
\let\@fORI\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\`ef\`erences}%
\def\abstractname{R\`esum\`e}%
\ifx\bibname\undefined\else%
\def\bibname{Bibliographie}%
\fi%
\ifx\btselectlanguage\undefined% -Don't call \bibs french if babelbib loaded.
\csname bibsfrench\endcsname% -more bibs-names if any.
\fi%
\def\contentsname{Table des mati\`eres}%
\def\listfigurename{Table des figures}%

```

```

\def\listtablename{Liste des tableaux}%
\ifx\listalgorithmname\undefined\else%
\def\ALG@name{algorithme}%
\def\listalgorithmname{Liste des \ALG@name s}%
\fi%
\def\indexname{Index}%
\def\seename{\emph{voir}}% -used normally in makeidx.sty
\def\seealso{\emph{voir aussi}}% -added macro \seealso
\def\figurename{\textsc{Fig.}}%
\def\tablename{\textsc{Tab.}}%
\def\sommairename{Sommaire}%
\def\partname{% -"Premi'ere partie" instead of "Part I"
\ignorespaces\Ordinale{part}\space partie%
\@RptNoInDoc\noexpand\@RptNoInToc}%
\def\glossaryname{Glossaire}% -added
\def\kwname{\textbf{Mots-cl}\e} :}%
\def\draftname{- \noexpand\351preuve -}% -PostScript IsoLatin1 \epreuve
\def\prefacename{Pr'eface}%
\ifx\proofname\undefined\else\def\proofname{D'emonstration}\fi%
%
% Comment for further dev:
% Next ones depend from the class of document in use, thus the translations
% should apply _only_ when the corresponding class is loaded. Thus it should
% be better to define these names when loading french, not dynamically at
% run time when typesetting the document.
%
\ifx\fr@RIfM@cls\undefined% -figure and table captions modified
\let\fnun@figure\ffrench% -except for any AmSLaTeX V1.2 class
\let\fnun@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\fnun@figure\@fORI%
\let\fnun@table\@f@tORI}%

\fi% -\ifFTR
}% -end of captionsfrench
%#<
\iffrenchbibliography%
\ifx\@rbibstyid\undefined%
\let\@rbibstyid\empty%
\ifx\jb@pkg@name\undefined\else%
\def\@rbibstyid{jb}%
\fi%
\fi%
\ifx\bibsfrench\undefined%
\edef\@tempa{fr\@rbibstyid bib.1df}%
\IfFileExists{\@tempa}{%
\@fissue%
\@fW{ -65- %
%\@txt@msg{\frenchname.sty charge }%
%\@txt@msg{les traductions pour la bibliographie \string:}%
}\@finput{\@tempa}}}%
\fi%
\ifx\bibsenenglish\relax%
\edef\@tempa{en\@rbibstyid bib.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\frenchtrivsepwarnings{\let\ifFTSW\iftrue}% -..... \frenchtrivsepwarnings
\def\nofrenchtrivsepwarnings{\let\ifFTSW\iffalse}% -... \nofrenchtrivsepwarnings
\long\def\frtrivseplengths#1{% -..... \frtrivseplengths
\nofrenchtrivsepwarnings%
\long\def\fr@tsl{#1}%
}%
\def\fr@tsl{\setlength{\parsep}{0.2ex plus 0.1ex minus 0.1ex}%
\setlength{\itemsep}{0.2ex plus 0.1ex minus 0.1ex}%
\setlength{\topsep}{0.4ex plus 0.2ex minus 0.2ex}%
\setlength{\partopsep}{1.6ex plus 0.8ex minus 0.8ex}%
}%
\def\frenchtrivsep{\ifFLA\def\@trivlist{% -..... \frenchtrivsep
\fr@tsl\@tLORI}%
\fi}
\def\nofrenchtrivsep{\let\@trivlist\@tLORI}% -..... \nofrenchtrivsep
\@ifundefined{@afterindenttrue}{\let\@afterindenttrue\relax%
\let\@afterindentfalse\relax}{}%
\let\@aifORI\@afterindentfalse% -save first indent
\edef\@piORI{\the\parindent}% -save \parindent
\begingroup \catcode `| =0 \catcode `[ = 1 \catcode `] =2%
\catcode `{=12 \catcode `}=12 \catcode `\\=12%
\gdef|xversatim#1\end{versatim}[#1\end[versatim]]%

```

```

|endgroup% -running macro for versatim
%
\let\@FIM@\relax% -Macro is relax with french light
%#<
\def\@FIM@{\ifCG\else\ifFLA\ifEPG\ifEPGR\else\leftguillemets\fi\fi\fi\fi}%
\let\checkitemguillemets\@FIM@%
%#>
\def\fr@idf{\let\@afterindentfalse\@afterindenttrue\@afterindenttrue}%
\def\fr@nidf{\let\@afterindentfalse\@aifORI\@afterindentfalse}%
\ifx\titlespacing\undefined%
\let\which@indent\fr@idf% -French default is \indentfirst
\else\let\which@indent\fr@nidf% -but let's titlesec package decide if loaded.
\fi%
\def\fr@lbi{\def\labelitemi{\@FIM@--}\def\labelitemii{\@FIM@--}%
\def\labelitemiii{\@FIM@--}\def\labelitemiv{\@FIM@--}%
}%
\long\def\frlabelitems#1{\ifFLA\long\def\fr@lbi{#1}% -..... \frlabelitems
\fr@lbi\fi}%
\def\@FIM{% -Correct labels in itemize environment ..... \labelitem..
\fr@lbi%
\def\indentfirst{\ifFLA\fr@idf\fi}% -..... \indentfirst
\def\nonindentfirst{\ifFLA\fr@nidf\fi}% -..... \nonindentfirst
\which@indent% -Apply requested indent in first paragraph
%#<
% The "order" list ..... \begin{order} & \end{order}
\def\labelfrenchenumi{\@FIM@\quando={\arabic{enumi}}}%
\def\labelfrenchenumii{\@FIM@\quando={\arabic{enumii}}}%
\def\labelfrenchenumiii{\@FIM@\quando={\arabic{enumiii}}}%
\def\labelfrenchenumiv{\@FIM@\quando={\arabic{enumiv}}}%
\def\order{\ifnum \@enumdepth >3 \@toodeep\else%
\advance\@enumdepth \@ne%
\edef\@enumctr{enum\romannumeral\the\@enumdepth}\list%
{\csname labelfrench\@enumctr\endcsname}%
{\usecounter{\@enumctr}}%
\ifFLA% -French layout might be switched after the definition
\addtolength{\leftmargin}{0.9em}% -allow a second digit and <<
\fi%
\def\makelabel####1{\hss\llap{####1}}\fi}% -\order
\let\endorder=\endlist%
% The "versatim" environment ... \begin{versatim} & \end{versatim}
% 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

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```

\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 \telephonenumber
        \ifx\undefined\formfoot\hfill\else%

```

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        \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}% -]..... \closing
}%
\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\@capttype{####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

```

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

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```

\loop%
\setbox\@FrBoxi=\vbox{\unvbox##1\global\setbox\@FrBoxiii=\lastbox%
\unskip}%
\ifvoid\@FrBoxiii\nonvoidfalse\setbox##1=\box\@FrBoxi\fi%
\ifnonvoid%
\unhbox\@FrBoxiii\unskip\break%
\setbox##1=\box\@FrBoxi%
\repeat}%
\def\@stared{\egroup%
\@transfervbox\@FrBoxvi\@FrBoxvii%
\@transferaddvbox\@FrBoxvii\@FrBoxvi%
\setbox\@FrBoxvii=\vbox{\unvbox\@FrBoxvi%
\global\setbox\@FrBoxiiii=\lastbox\unskip}%
\@transfervbox\@FrBoxvii\@FrBoxvi%
\noindent \@sendtopage\@FrBoxvi%
\unhbox\@FrBoxiiii\unskip\unskip\unpenalty}%
\def\@fniv2{\egroup%
\@transfervbox\@FrBoxvi\@FrBoxvii%
\@transferaddvbox\@FrBoxvii\@FrBoxvi%
\setbox\@FrBoxvii=\vbox{\unvbox\@FrBoxvi%
\global\setbox\@FrBoxiiii=\lastbox\unskip}%
\@transfervbox\@FrBoxvii\@FrBoxvi%
\noindent \@sendtopage\@FrBoxvi%
\setbox\@FrBoxvii=\vbox\bgroup\@setpartozero%
\noindent \unhbox\@FrBoxiiii\unskip\unskip\unpenalty}%
\def\@qqguill{\relax}%
\def\@staring{\global\setbox\@FrBoxQuotes=\hbox to 0.81em{\@qqguill}\egroup%
\setbox\@FrBoxvi=\vbox{\unvbox\@FrBoxvii%
\global\setbox\@FrBoxiiii=\lastbox\unskip}%
\@transfervbox\@FrBoxvi\@FrBoxvii%
\noindent \@sendtopage\@FrBoxvii%
\setbox\@FrBoxvi=\vbox\bgroup\@setpartozero%
\hangindent=\wd\@FrBoxQuotes\hangafter=1%
\setbox\@FrBoxvii=\hbox{\unhcopy\@FrBoxiiii\unskip\unskip%
\unpenalty}%
\@FrDimenS=\@FrDimen \advance\@FrDimenS by -2em%
\ifvoid\@FrBoxiiii\indent\copy\@FrBoxQuotes%
\else%
\parindent=\z@%
\ifdim \wd\@FrBoxvii>\@FrDimenS \unhbox\@FrBoxvii\break%
\else \unhbox\@FrBoxvii%
\fi\fi}%
\def\@qqquotes{\setbox\@FrBoxvii=\vbox\bgroup\@setpartozero}%
}% -end \@desarm
%#>
\def\@EIM{\def\labelitemi{\@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{% -LETRINES defs
\def\automaticletterine{%
\ifx\letterinefontname\undefined% -.... \automaticletterine
\def\@tempa####1####2\@{%-extract font name
\def\letterinefontname{####1}}%
\edef\@tempb{ }%
\expandafter\@tempa\fontname%
\expandafter\font\@tempb\@{fi%

```

```

\let\sv@lf=\lettrinefont}%
\def\noautomaticletrine{%
\let\lettrinefontname=\undefined% -.\noautomaticletrine
\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.
\f@par% -The second \par ends the \lettrine.
\@nobreakfalse}% -Allow breaks after that paragraph.
\def\@@ettrine##1##2\@##3{\@fbr\TeXeverypar}%
%%% start of automatic font calculation (a piece of code coming from Ronan)
\ifx\lettrinefontname\undefined\let\auTo@lh\undefined%
\else\let\auTo@lh\lettrinehang%
\ifx\auTo@lh\undefined\def\auTo@lh{2}\fi%
\bgroup%
\ifx\@htfreq\undefined\newdimen\@htfreq\newdimen\@htfbase\fi%
\setbox0=\hbox{M}\@htfreq=\ht0%
\def\dimentocount####1{\expandafter\auTo@gf\the####1}%
\font\@fontreq=\lettrinefontname%
\setbox0=\hbox{\@fontreq ##1}\@htfbase=\ht0%
\advance\@htfreq by \auTo@lh\baselineskip%
\advance\@htfreq by \lineskip% -inappropriate increment
\advance\@htfreq by -\baselineskip%
\multiply\@htfreq by 100 % -To be more precise
\multiply\@htfbase by 100 %
\divide\@htfreq by \dimentocount\@htfbase% -\relax
\multiply\@htfreq by \@m%
\global\font\lettrinefont=\lettrinefontname\space scaled \dimentocount\@htfreq%
\egroup%
\fi%
%%% end of automatic font calculation
\setbox0\hbox{% -\fbox is eliminated for that measuring
{\shortstack{\bef@let{\lettrinefont##1}\relax%
\ifdim\fontdimen\@ne\font>\z@\/\space\fi}}}%
\@FrDimenH=\ht0\advance\@FrDimenH by\dp0%
\@FrDimenS=\@FrDimenH\advance\@FrDimenS by\fboxsep%
\ifdim\baselineskip\superieura0pt%
\divide\@FrDimenS by\baselineskip%
\fi\@FrCount=\@FrDimenS%
\@FrDimen=\baselineskip\multiply\@FrDimen by-\@FrCount%
\advance\@FrDimen by\@FrDimenH%
\ifdim\@FrDimen>0.025\baselineskip \advance\@FrCount by 1\fi%

```

```

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

```

```

\ifx\@FrDimenS\undefined\newdimen\@FrDimenS\fi%
\@ifNextNB[{\@Ettrine}{\@ettrine}% -] emacs
}%
\fi% -\lettrine undefined
}% -end of \@FL
%%%%%%%%%%
%#>
% =====
% | Typography |
% =====
%
% Let the possibility to turn all off
\def\nonfrench{\ifFrench\@DFP% -..... \begin & \end{nonfrench}
\def\@temp@{\@AFP}% -\@AFP only for non LaTeX users
\else\@NoFr\def\@temp@{\relax}\fi%
\def\endnonfrench{\@temp@\ignorespaces}%
\ignorespaces}%

%
% Original settings of \dospecials et \@sanitize saved at \begin{document}
% include ! ? ; : < > ' ^ " in dospecials and sanitize:
\def\@dospecialsfrench{\do\` \do\ ' \do\@dsversa}% -.....\@dospecialsfrench
\def\@dsversa{% -specials reduced for versatim envir.....\@dsversa
\do\ \do\ \do\ \do\ \do\ $ \do\ & \do\ # \do\ | \do\ ^ \do\ ^K \do\ _ \do\ ^A \do\ % \do\ ~% -\$emacs
\do\ ! \do\ ? \do\ ; \do\ : \do\ < \do\ > \do\ ^ \do\ "}%
\def\@sanitizefrench{% -.....\@sanitizefrench
% \@makeother\ \@makeother\ \ \@makeother\ $ \@makeother\ & \% $emacs
% \@makeother\ # \@makeother\ | \@makeother\ ^ \do\ ^K \@makeother\ _ \%
% \@makeother\ ^ \do\ ^A \@makeother\ \% \@makeother\ ~ \%
\@saORI% -get original \@sanitize and add ours:
\@makeother\ ! \@makeother\ ? \@makeother\ ; \@makeother\ : \%
\@makeother\ ' \@makeother\ ' \@makeother\ < \@makeother\ > \%
\@makeother\ ^ \do\ ^A \@makeother\ \% \@makeother\ ~ \%}

%
%\@ifNextNB X {YES} {NO} ... if next char is X then YES else NO ... \@ifNextNB
\def\@ifNextNB#1#2#3{\let\@tempe=#1\def\@tempa{#2}\def\@tempb{#3}\futurelet%
\@tempc\@Fifnch}%
\def\@Fifnch{\ifx \@tempc \@tempe\let\@tempd\@tempa% -Next char may be an
\else\let\@tempd\@tempb\fi\@tempd}% -active space.
%\ifNextNBc X or Y {YES} {NO} ... \ifNextNBc
\def\@ifNextNBc#1#2#3#4{\let\@tempe=#1\let\@tempf=#2%
\def\@tempa{#3}\def\@tempb{#4}\futurelet%
\@tempc\@Fifnchc}%
\def\@Fifnchc{\ifx \@tempc \@tempf\@tempa\else\@Fifnch\fi}%

%
\def\@skiplastspace{\ifdim\lastskip>\z@\unskip\penalty\@M\fi}% -.\@skiplastspace
%
\let\ifFrench\iftrue% -temporary setting
\def\@AFP{% -..... \@AFP = Activate French Punctuation
\let\dospecials\@dospecialsfrench%
\let\@sanitize\@sanitizefrench%
\AFPdp\AFPinfsup}%
\def\AFPdp{\ifFrench\catcode'\!=\active\catcode'\?=\active%
\catcode'\;=\active\catcode'\:=\active\fi}%
\let\AFPinfsup\relax%
%#<
\def\AFPinfsup{\ifFrench\ifFG\catcode'\<=\active\catcode'\>=\active\fi\fi}%
%#>
\def\AFPq{\ifFrench\catcode'\='=\active\catcode'\='=\active\fi}%
\def\AFPdq{\catcode'"=\active}%
%

```

```

\def\@DFP{-..... \@DFP = Deactivate French Punctuation
\DFPq\DFPinsup\ifLPA\else\DFPdp%
\let\dospecials\@dsORI%
\let\@sanitize\@saORI\fi}%
\def\DFPq{\ifFrench\catcode' '=12\catcode' '=12\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\else##1\fi}%
\def\@treORI{\expandafter\@treORI\ifx ##1i\else##1\fi}%
\fi}%
\def\iwithdot{\@noBDfr%
\let\^\@hatORI\let\^\@treORI}% -.....(no MlTeX command). \iwithdot
%#>
% Typographic process of double punctuation:
%
\let\ifLPA\iffalse% -\ifLPA must be initiated.
\let\ifFG\iffalse% -\ifFG must be initiated.
\def\@tempa#1{\f@issue%
\@fw{-13- %\@txt@msg{le caract'ere "#1" est d'ej'a actif}%
}[#1]%
\let\@tempb\next\let\@tempc\empty}% -warning message
\let\@tempb\empty%
\AFPdp% -activate first part
\let\ifWTS\iffalse% -set wrong typed spaces to false
\def\@WTS{\relax\ifmmode\else\ifhmode% -skip wrong typed space
\ifdim\lastskip>\z@\unskip\fi%
\fi\fi}%
% Add a thin space before punctuation ; : and ! in place of a space
\def\@tempc{%
\def;\{\ifFTY\protect\@PV%{}% -..... ";"
\else\ifWTS\@WTS\fi\string;\fi}%
}%
\def\@tempd{\@tempa{\string;}}%
\ifx;\undefined\def\@tempd{\fi\@tempd\@tempc%
\def\@PV{\relax\ifmmode\string;\else%
\ifhmode\ifUSP\unskip\space\fi%
\ifdim\lastskip>\z@\unskip\penalty\@M,\fi%
\fi\string;\fi}%
\def\@tempc{%
\def: {\ifFTY\protect\@DP%{}% -..... ":"
\else\ifWTS\@WTS\fi\string:\fi}%

```

```

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

```



```

\def\noexpand!\noexpand\string\noexpand!}%
\edef\noexpand\@tempb{##1}% -asis substitution
\let\noexpand!=\noexpand\@tempa}%

\fi%
\catcode'<=13\catcode'>=13% -temporary activation
\let\ifArG\iftrue% -by now assume guillemets are available in arrays.
\edef\@array[#1]{\edef\noexpand\@tempb{#1}% -default substitution
\noexpand\ifArG\noexpand\else%
\noexpand\ifnum\catcode'<=\active%
\noexpand\ifmmode\let\noexpand<\noexpand\inferieura%
\let\noexpand>\noexpand\superieura%
\noexpand\fi\noexpand\fi\@array%
\noexpand\fi%
\noexpand\@aORI[{\noexpand\@tempb}]}%
\let\@eaORI\eqnarray% -..... \eqnarray
\def\eqnarray{\ifArG\else\ifnum\catcode'<=\active%
\let<\inferieura\let>\superieura%
\fi\fi\@eaORI}%
\ifx\@array\undefined\else% -When array package loaded we must ..... \@array
\let\@aORI\@array% -protect it too
\def\@array{\ifArG\else\ifnum\catcode'<=\active%
\let<\inferieura\let>\superieura%
\fi\fi\@aORI}% -as for eqnarray (and standard array).

\fi%
\catcode'<=12\catcode'>=12%
\DFPdp% -deactivate first part
\let\@CGroup\relax\let\@FG\relax% -Should be relax for french light.
\let\@LG\relax%
%#<
% Process of guillemets (typed << and >>)%..... Guillemets
%
% here is the oldest way to def. guillemets (still useful with plain}
\def\@og{\leavevmode\ifdim\lastskip>\z@\unskip%
\penalty-9\hskip0.35em minus 0.35em\fi%
\raise0.27ex\hbox{\$ \scriptscriptstyle\ll$}\,\nobreak\ignorespaces}%
\def\@cg{\@skiplastspace\nobreak\,\leavevmode\raise0.27ex%
\hbox{\$ \scriptscriptstyle\gg$}}%
\let\ifFG\iftrue% -set the default
\AFPinfsup% -activate for guillemets
% special definition for \lettrine and \flettrine:
\def\@gN{\def<##1{\ifx ##1<\leftguillemets\else\@LSG##1\fi}%
\def>##1{\ifx ##1>\rightguillemets\else\@RSG##1\fi}}%
\let\@oldog<\let\@oldcg>% -let it run if previously defined
\def\@ogx<\ifFTY\@og\else\@DOG\fi}%
\def\@cgx>\ifFTY\@cg\else\@DFG\fi}%
% Guillemets must not be typed \<< and \>>, the following is for compatibility
%\def<{\@ifNextNB<\@ogx\@oldog}%
%\def>{\@ifNextNB>\@cgx\@oldcg}%
%
%\def<{\ifnum\catcode'<=\active% look at \normalbrackets..... "<<
% \expandafter\@genGL\else\@LSG\fi}% \EBCDICbrackets are different
\def\@LFG{\ifFTY\ifmmode\protect\@LSG\else%
\ifIEB\@SOC\else\@LSG\fi% -EBCDICbracket
\fi%
\else\@LSG\fi}%
\global\let\ifCG\iftrue%
\let\inside@an@expand\empty% -Stuff to expand in an usual \edef.
\def\if@mid@expandable#1#2{\let\inside@an@expand\relax\relax%
\ifx\inside@an@expand\relax%
\let\inside@an@expand\empty%

```

```

\expandafter#2%
\else\expandafter#1%
\fi}%

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

%%%\def\@LG{\relax\ifFTY\ifmmode\@DOG\else\@@@OG\fi\else\@DOG\fi}%
\def\@LG{\relax\if@mid@expandable{\@@@LG}{\@LG}}%
\def\@@@LG{\ifFTY\ifmmode\@DOG\else\@@@OG\fi\else\@DOG\fi}%
\def\@@@LG{\relax\noexpand <<\relax}
\def\@SifDOGon{\global\let\ifDOG\iftrue}% -set scnd level of guillemets flag
\def\@SifDOGoff{\global\let\ifDOG\iffalse}\@SifDOGoff% -now set it off
\def\@@@OG{\ifCG\ifFLA\ifEPG\else% -now be tolerant... in noeverypar
\hbadness=10000% -all this stuff is really dirty !
\ifhmode\newline\fi% -We force newline if any stuff already typeset.
\bgroup\def\par{}%
\@FrDimen=\textwidth% -line size on mono-column
\if@twocolumn\tolerance=5000\pretolerance=5000%
\advance\@FrDimen by -\columnsep%
\divide\@FrDimen by 2\fi% -for two-column
\@ifundefined{@inAlist}{\fi}% -revisit box size in a list environment
\advance\@FrDimen by -\leftmargin\advance\@FrDimen by -\rightmargin%
\advance\@FrDimen by -\listparindent\hsize=\@FrDimen}%
\@qqotes\fi\fi\fi%
\@oguills%
\ifFLA\ifEPG\bgroup\def\@currenvir{guillemets}% -simulate an environment
\let\@CGroup\egroup\fi\fi% -for error processing
\ifCG\ifFLA\ifEPG% -save the current \everypar and apply it first
\xdef\@epORI{{\the\TeXeverypar}}%
\TeXeverypar={\@epORI% -Original \everypar.
\ifEPGR\else% -If not allready done,
\@oguills% -insert guillemets and
\@ifundefined{@UvOpen}{\fi}% -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{@UvOpen}{\def\@UvOpen{}% -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\@@FRFG{\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\endf@guillemets{>>}%
\ifx\RIfM@undefined\else% -For AmSTeX we force \nofrenchguillemets.
\edef\@emORI{\the\everymath\relax}% -Save original \everymath.
\edef\@edORI{\the\everydisplay\relax}% -Save original \everydisplay.
\if@issue\@fw{^^J -18- %
%\@txt@msg{\frenchname.sty force l'option}% New definition takes care
%\@txt@msg{\string\nofrenchguillemets\space en maths avec AmSLaTeX.}%
}% -that \nofrenchguillemets may
% be still undefined; expansion differed.
\everymath={\cename nofrenchguillemets\endcsname\@emORI}%
\everydisplay={\cename nofrenchguillemets\endcsname\@edORI}%
\fi%
\DFPinfsup% -desactivate for guillemets
% The grammar environnement from syntax package..... \grammar
\ifx\grammar\undefined% -can't use French guillemets.
\else\let\@grORI\grammar\def\grammar{\nofrenchguillemets\@grORI}%
\fi%

\def\@FG{\ifCG\@issue%
\@fw{-14- %\@txt@msg{fermeture de guillemets non ouverts}%
}\fi%
\ifUSP\unskip\kern+0.13em\else%
\ifdim\lastskip>z@\unskip% -skip previous space
\penalty\@M% -don't break here
\space% -better than \kern
\penalty\@M%
\fi%
\kern-0.19em%
\fi%
\def\@tempd{\@currentenv}\def\@tempe{guillemets}%
\ifx\@tempd\@tempe%
\@CGroup\@fguills% -end group if any and put closing guillemets
\else\ifEPG%
\@fguills% -typeset but no real closing (see \@FG)
\def\@CGroup{\egroup\@gobble}% -warning until \endguillemets:
\ifFLA% -Message issued only when french layout is active.
\@issue%
\@fw{-49- %\@txt@msg{fermeture pr'ematur'ee de guillemets}%
}%
\fi%
\else\@CGroup\@fguills%
\fi%
\fi%
% \edef\@currentenv{\@tempd}% generates error instead of just a warning.
\ifDOG\ifFLA\ifEPG\else\@fniv2\fi\fi%
\@SifDOGoff\else\@FG\fi% -reset secnd and first level
% following code would be fine but doesn't run:
% \@ifNextNB\space{\penalty-\@highpenalty}{}% allow break if space after
}%
\let\guillemets\@LG% -..... \begin & \end guillemets
\def\RG@\ifFTY\ifCG% -could be still closed in a prev. envir
\else\@RG% -Assume first closing >> and print it

```

```

\fi%
\CCGroup\@@@FG\relax\fi}% -end second level >>
\let\endguillemets\RG@%
\def\@@@FG{\ifFLA\ifEPG\ifx\@epORI\undefined\else% -\everypar is restored
\expandafter\TeXeverypar=\@epORI\fi%
\xdef\@epORI{}}% -any way \xdef can be cleared
\else\@staring\@stared\egroup\fi\fi%
\global\let\ifCG\iftrue\let\@CGroup\relax}%
\def\@fguills{\@ifundefined{ly}{\@cg}% -ECM
{\nobreak\leavevmode\ifECM\hbox{{\ifGIAF\else\@gfnt\fi\kern+0.20em%
\ifx\@gotr\undefined\char\rq\@RP%
\else\@gotr\fi}}%
\else\hbox{{\ly\kern+0.20em\@RP\kern-0.20em\@RP}}\fi}%
\ifGIAF\else\ifdim\fontdimen\@ne\font>\z@\/\fi\fi% -italic correction simulated
}%
%#>
\def\@normalrq{\relax\ifmmode^\prime\else\@frq\fi}%
\def\@frq{\catcode' '=12{\ifNEQ\ifECM\char\rq001%
\else\char\rq023\hbox{} \fi%
\else\string'\fi}}}%
\AFPq% -activate quoting
\def'\{\protect\@PLQ}% -..... "''
\let\@PLQ@\lq%
\def\@PLQ{\ifmmode\string'\let\@PLQ@\relax%
\else\ifNED\let\@PLQ@\@PLQn\fi% -may start a par.
\ifhmode\let\@PLQ@\@PLQn\fi%
\fi\@PLQ}%
\def\@PLQn{\@ifNextNB'\{\protect\@OQ}%
{\ifNEQ\ifECM\char\rq000\hbox{}%
\else\char\rq022\hbox{} \fi%
\else\string'\fi}%
}%
\def\@OQ'\{\ifNED\protect\@LG\else\string'\fi}%
\def'\{\protect\@PRQ}% -..... ''''
\let\@PRQ@\rq% -set the default
\def\@PRQ{\ifmmode\let\@PRQ@\@SRQ@%
\else\ifhmode\let\@PRQ@\@PRQn\fi%
\fi\@PRQ}%
\def\@@FGp'\{\@@FG}%
\def\@PRQn{\let\@PRQ@\rq% -reset the default
\@ifNextNB'\{\ifNED\let\@PRQn@\@@FGp%
\else\let\@PRQn@\relax\string'\fi\@PRQn}%
{\protect\@normalrq}}}%
%
% SUBOPTIONS definitions..... SUBOPTIONS
\let\ifNED\iffalse% -False for french light.
\let\ifNEQ\iffalse% -False for french light.
%#<
\def\noenglishdoublequotes{\@noBDfr%
\AFPq\let\ifNED\iftrue% -..... \noenglishdoublequotes
\ifFrench\let\@cilq='\fi}%
\def\noenglishquote{\@noBDfr%
\AFPq\let\ifNEQ\iftrue% -..... \noenglishquote
\ifFrench\let\@cilq='\fi}%
%#>
\DFPq% -disactivate quoting
\def\untypedspaces{\@noBDfr%
\let\ifUSP\iftrue}% -..... \untypedspaces
\def\typedspaces{\@noBDfr%
\let\ifUSP\iffalse}% -..... \typedspaces

```

```

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

```

```

\iffG%
\def<{\protect\@LFG}% -old code generate \ifnum incompatilty
\def\@LFG{\@ifNextNB<{\protect\@OG}{\@LFG}}%
\def\@OG<{\ifnum\catcode'< =\active\expandafter\@LG%
\else\@LFG\@LFG\fi}%
\def>{\protect\@RFG}%
\def\@RFG{\@ifNextNB>{\protect\@FG}{\@RFG}}%
\def\@FG>{\ifnum\catcode'> =\active\expandafter\@RG%
\else\@RFG\@RFG\fi}%
\fi}%
\long\def\@BracesOrNot[#1]{\ifmmode\@PreserveBraces[#1]%
\else\expandafter#1\fi}%
\let\@fobeyspaces\empty%
\long\def\@genG#1#2#3{\@fobeyspaces%
\ifx#2#3\expandafter\protect\csname @#1G\endcsname%
\else\csname @#1FG\endcsname\expandafter\@BracesOrNot%
\expandafter[\expandafter{%
\expandafter#3\expandafter}\expandafter}%
\fi}%
\edef\@genGL{\noexpand\@genG{L}\noexpand<}%
\edef\@genGR{\noexpand\@genG{R}\noexpand>}%
% Hacking for blank space after "<" or ">" doesn't run in any \ifdim x > y
% like in \footnote, so the code is nullified until...
%\def\@bobeyspaces{\obeyspaces%
%\def\@fobeyspaces{\catcode'\ =10\let\@fobeyspaces\relax}}%
\let\@bobeyspaces\empty
\def\normalbrackets{\@noBDfr%
\let\ifIEB\iffalse% -..... \normalbrackets
\iffG%
\def<{\ifnum\catcode'< =\active\@bobeyspaces\expandafter\expandafter%
\expandafter\@genGL\ifmmode\relax\fi%
\else\@LSG\fi}%
\def>{\ifnum\catcode'> =\active\@bobeyspaces\expandafter\expandafter%
\expandafter\@genGR\ifmmode\relax\fi%
\else\@RSG\fi}%
\fi}%
\DFPinfsup% -desactivate < and >
%#>
\let\iffG\iffalse% -default further choice
%#<
\def\ancientguillemets{\@noBDfr%
\let\ifAG\iftrue}% -..... \ancientguillemets
\def\todayguillemets{\@noBDfr%
\let\ifAG\iffalse}% -..... \todayguillemets
\def\guillemetsinarrays{\@noBDfr%
\let\ifArG\iftrue}% -..... \guillemetsinarrays
\def\noguillemetsinarrays{\@noBDfr%
\let\ifArG\iffalse}% -..... \noguillemetsinarrays
\def\guillemetsinallfonts{\@noBDfr%
\let\ifGIAF\iftrue}% -..... \guillemetsinallfonts
\def\guillemetsinroman{\@noBDfr%
\let\ifGIAF\iffalse}% -..... \guillemetsinroman
\def\overfullhboxmark{\@noBDfr%
\ifFLA\overfullrule=5pt\fi}% -..... \overfullhboxmark
\def\nooverfullhboxmark{\@noBDfr%
\ifFLA\overfullrule=0pt\fi}% -..... \nooverfullhboxmark
%#>
\let\ifFrench\iffalse% -reset original value
%
% For compatibility with MlTeX docs but unneeded in this style...\fhyph \ehyph

```

```

{\def\@genMLhyph{\@ifundefined{french}}{\gdef\fhyph{\french}}%
      \@ifundefined{english}}{\gdef\ehyph{\english}}}%
\@ifundefined{fhyph}{\@genMLhyph}{}%
}%
%
\gdef\frenchTeXmods{% ..... \frenchTeXmods
  \global\let\ifFrench\iftrue%
\ifCLA%
  \ifCLAfrench%
  \@AFP% -activate French punctuation
  \frenchtypography\frenchtranslation\frenchlayout%
  \fi%
\else%
  \@AFP% -activate French punctuation
  \frenchtypography\frenchtranslation\frenchlayout%
\fi%
  \frenchmacros\frenchwarnings%
  \let\@HifORI\@Hif\let\@HfiORI\@Hfi%
  \frenchhyphenation%
  \csname @extrasfrench\endcsname% -from other packages
% (TeX-XeT first direction of writing will be set by the first \everypar)
  \ifx\GOfrench\undefined% -When document is really started,
    \csname beginL\endcsname% -set TeX--XeT direction of writing.
  \fi%
  \def\languagename{french}% -set it for mlp.
  \@ufo% -user options
  \let\switchtolanguage\endfrench%
  \ignorespaces%
    }% -end \frenchTeXmods
% Declare Options, extras and even more extras
\ifx\undefined\babel@core@loaded%
  \edef\extrasfrench{\def\@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\noextrsfrench\endfrench%
%#<
\def\frenchtest{\@finput{french.tst}}% -The Torture Test ..... \frenchtest
\def\frenchdoc{\@finput{frdoc.tex}}% -The Documentation ..... \frenchdoc
%#>
%%%%%%%%%%
% =====
% | Language switch mechanism |
% =====
% based on language.dat file
%
\@ifundefined{englishTeXmods}{\gdef\englishTeXmods{}}{}% -..... \englishTeXmods
%
\global\let\@Hif\empty\global\let\@Hfi\empty% -dflt \if...\fi hyphenation switch
\global\let\if@FE\iffalse% -don't reload hyphenation exception if not required.
\newif\if@more\@moretrue%
\def\@doFh{% -define processing for reading language.dat at \begin{document}
\def\@f@ERRdat{\@f@issue%
    \errmessage{-9- %\@txt@msg{Corrupted/absent language.dat file.}%
    }\global\let\french\@end%
}%
    \bgroup% -there is a marmelade here for a temporary usage.
    \let\ORIGfrench\french%
    \newcount\@FrCount%
\def\tl@ng##1{}% -no need at this time to test if \<language>TeXmods is defined
\def\@rhef##1/##2/{\def\@tempa{##2}}% -reloading of hyphenation exceptions files
    \def\@tempb{##1}% -language name
    \def\@tempc{\ifx\space\@tempa\else%
        \expandafter\gdef\csname ##1@hefn\endcsname{##2\relax}%
        \if@FE\expandafter\@input##2\relax\fi\fi}%
    \ifx\undefined\@excn\@tempc%
        \else\ifx\@tempb\@excn\@tempc\fi\fi}%
\gdef\NouveauLangage[##1]##2{..... \NouveauLangage[##]{name}
%-- check for an anormal change in language.dat:
\expandafter\@ifundefined{l@##2}{}% do nothing, unused at initex
{% First accept babel definitions (\chardef) of languages.
\chardef\l@no##1\expandafter\if\csname l@##2\endcsname\l@no\else%
\edef\l@no{##1}\expandafter%
% Secondly accept our own defs.
\ifx\csname l@##2\endcsname\l@no% OK
\else\@f@issue\typeout{^~J \frenchname.sty \string: -27- %

```



```

%\txt@msg{language \l@no\space (##2) was initially }%
%\txt@msg{(at initex) numbered \csname l@##2\endcsname\space(ERROR!)}%
}##2]\f@ERRdat%
\fi\fi}%
%--
\expandafter\tl@ng\csname##2TeXmods\endcsname%
\expandafter\gdef\csname##2 \endcsname% The protected language cs.
{\expandafter\switchtolanguage\csname ##2TeXmods\endcsname%
\@Hif\language=##1\@Hfi\relax}%
\expandafter\gdef\csname##2\endcsname% The language cs.
{\protect\csname##2 \endcsname}%
}\NouveauLangage
\gdef\Nouveau@Langage[##1]##2{% ..... \Nouveau@Langage[##1]{name}
%arabic as a language should not change the definition of \arabic V5,9995
% the same is valid for future similar cases V5,9995
\expandafter\@ifundefined{##2}{\lang@defifalse}% V5,9995
{\lang@defitruer}% V5,9995
%-- check for an anormal change in language.dat:
\expandafter\@ifundefined{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\@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%
\iflang@defi% V5,9995
\expandafter\gdef\csname##2Lang \endcsname% V5,9995
{\expandafter\switchtolanguage\csname ##2TeXmods\endcsname% V5,9995
\@Hif\language=##1\@Hfi\relax}% V5,9995
\expandafter\gdef\csname##2Lang\endcsname% V5,9995
{\protect\csname##2Lang \endcsname}% V5,9995
\typeout{eFrench Info : % V5,9995
<b.o.i>##2Lang commute sur langue ##2 = = =}% V5,9995
\typeout{eFrench Info : % V5,9995
et <b.o.i>##2TeXmods pour ses extensions = = =}% V5,9995
\else% V5,9995
\expandafter\gdef\csname##2Lang \endcsname%
{\expandafter\switchtolanguage\csname ##2TeXmods\endcsname%
\@Hif\language=##1\@Hfi\relax}%
\expandafter\gdef\csname##2\endcsname% -The language cs.
{\protect\csname##2 \endcsname}%
\fi% V5,9995
}% -\Nouveau@Langage
% test if #1 equal ‘=’ that means same language hyphenation but a dialect.
\edef\@temp@{=}%
\def\@langue##1##2 ##3 ##4/##5{\def\@tempa{=}\def\@tempb{##1}%
\ifx\@tempa\@tempb%
\ifnum\@FrCount > 0 \advance\@FrCount by -1\fi%
\relax% -relax Max! Why is it absolutely needed?
\expandafter\Nouveau@Langage\expandafter[\the\@FrCount]{##2}%
\ifnum\@FrCount \@temp@ 0 \@FrCount= -1\fi%
\else\edef\@temp@{<}\@langue##1##2 ##3 ##4/{##5}%
\fi}%
\def\@l@ngue##1 ##2 ##3/##4{\Nouveau@Langage[##4]{##1}%

```

```

%%%\typeout{La langue ##1 est utilis\’ee sous le num\’ero \the\@FrCount}
%\expandafter\@input##2\relax%% loading of patterns is done at initex
%%      % \if@FE
        \@rhef##1/##3/% -Check if reload of exceptions file is needed.
%%%\fi
                                }% -end of \Nouveau@Langage
%
\let\hyphenation\@hyphenation% -use our new macro.
\openin\@inputcheck = language.dat \def\@tempb{}%
\ifeof\@inputcheck\@Ffont{language.dat}%
    \ifx\undefined\@french % -language.dat is absent but \french might be def.
        \else\xdef\@PrevF{\french}%
            \gdef\french{\switchtolanguage\frenchTeXmods\@PrevF}%
                {\@PrevF\@issue\@fw{-15- %
                    %\@txt@msg{le langage \frenchname\space porte le }%
                    %\@txt@msg{num\’ero \the\language}%
                    }}%
        \fi%
        \ifx\undefined\@l@english % -any default English language number?
            \def\@l@english{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%
            \newif\iflang@defi% V5,9995
            \let\englishORI\english% V5,9995
            \let\english\undefined% V5,9995
            \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%
            \ifx\undefined\@english\let\english\englishORI\fi% V5,9995 !
            \let\hyphenation\@hyphenation% -reset original cs.
            %
            \def\@MLtst{\@ifundefined{fhyph}% -if French and \fhyph undef. (no language.dat)
                {\if@PMF\gdef\french{\switchtolanguage\frenchTeXmods}%
                    \f@issue%
                    \@fw{-19- %
                        %\@txt@msg{utilisation du langage interne num\’ero \the\language}%
                        }%
                    \else\f@issue%
                        \typeout{^^J \frenchname.sty: -20b-
                            %\@txt@msg{the French language is undefined (ERROR!)}%
                            }\f@ERRdat\fi}%
                }%
            \if \fhyph defined as in MLTeX then :
                {\gdef\french{\switchtolanguage\frenchTeXmods\fhyph}%
                    \gdef\english{\switchtolanguage\englishTeXmods\ehyph}%
                }%
            }% -@MLtst
\@ifundefined{french}{\@MLtst}{}% -French might be still undefined!

```

```

\@ifundefined{endenglish}{\global\let\endenglish\french}{}% -and \endenglish
\gdef\tl@ng##1{\ifx ##1\relax\fi}
\@fw{-21- %\@txt@msg{##1 n'est pas d'\efini}%
      }[##1]\fi}%
\ifx\ORIGfrench\french\fi
  \egroup% -this is the end of the marmelade
  }% -end of \doFh (\GOfrench part 2)
%%%%%%%%%%%%%% Insure AmSTeX will not be loaded later.
\ifx\vert\undefined\else\let\@bvORI\vert\fi% -Already done before macros.
\def\@fwVIII{\fi}
  \ktypeout{^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\@x@protect\fi}%
\def\@x@protect\fi#1{\fi\protect}%
\def\@eatprotect#1\protect#2\@nil{#1}%
\if@PMF\let\@protect\undefined\let\@x@protect\undefined%
  \let\@eatprotect\undefined%
\fi% -\if@PMF
\def\@abbdefs{% -the needed defs for abbrevs
  \def\ABBfound{\global\let\ifABBfound\iftrue}%
  \let\ifABBfound\iffalse%
  \def\@abbrev##1##2 ##3##4 ##5/{%
    \let\ifFMA\iftrue% -always true here
    \edef\@tempa{##1##2}%
    \ifx##3*\edef\@tempb{##4}\edef\@tempc{##4s}%
    \else\edef\@tempb{##3##4}\edef\@tempc{}%
    \fi%
    \ifx\@tempa\@tempb##5\ABBfound%
    \else\ifx\@tempc\empty%
      \else\ifx\@tempa\@tempc##5\ABBfound\fi%
    \fi%
  \fi%
  \ifABBfound%
    \else\edef\@tempa{##2}\edef\@tempb{##4}%
    \ifx\@tempa\@tempb##5\ABBfound%
    \else\ifx\@tempc\empty%
      \else\ifx\@tempa\@tempc##5\ABBfound\fi%
    \fi%
  \fi%
}

```

```

\fi%
\fi}%
\def\@openabbrev##1{\openin\@inputcheck=##1 %
\ifeof\@inputcheck\@Ffmt{##1}\fi}%
\def"{\f@protect\AbbrevName}% -"..... "xx"
\def\AbbrevName##1"{\def\@tempa{##1}\ifx\@tempa\space'\space'%
\else\@bbrev##1"\fi}%
\def\@bbrev##1{\expandafter\@bbrev\@eatprotect##1\protect\@nil}%
\def\@bbrev##1"{\begingroup%
\def\ABBMfalse{\global\let\ifABBM\iffalse}%
\let\ifABBM\iftrue\global\let\ifABBfound\iffalse%
\@openabbrev{\abbrevfilename}%
\ifeof\@inputcheck\else%
\loop\endlinechar=-1\read\@inputcheck to \@lineD\endlinechar'\^^M%
\ifx\@lineD\empty%
\else\edef\@lineD{##1 \@lineD/}\expandafter\@abbrev\@lineD\fi%
\ifABBfound\ABBMfalse\fi%
\ifeof\@inputcheck \ABBMfalse\ifABBfound\else%
\fiissue%
\@fw{-22- %
%\@txt@msg{abr\'eviation de \string"##1\string" non trouv\'ee}%
}[##1]%
\fi\fi%
\ifABBM\repeat%
\fi\closein\@inputcheck%
\ifABBfound\else'\@bbrev'\fi\endgroup}%
}% -end of \@bbdefs
\if@PMF\let\@bbdefs\relax\fi% -No need with PMF.
\DFPd% -Deactivate " char
\def\noabbreviations{\if@PMF\else\DFPd\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%
    \ifmmode\expandafter\@bvORI%
    \else\ifFMA\string |\else\@bvORI\fi\fi%
    \else\expandafter\@fwVIIIII%
    \fi}%
\else%
  \def\vert{\ifmmode\expandafter\@bvORI% -| ..... \vert
    \else\ifFMA\string |\else\@bvORI\fi\fi}%
\fi%
\def\backslash{\ifmmode\@bsORI% -(barre oblique inversee) ..... \backslash
  \else\ifFMA%
    \protect\@boi%
    \else\@bsORI%
    \fi%
  \fi}%
\def\chap{\ifFMA\string ^\else\@chapORI\fi}% -hat char ..... \chap
\def\tilde{\relax\ifFMA\ifmmode\expandafter% -tilde char ..... \tilde
  \expandafter\expandafter\@tildeORI%
  \else\string~\fi\else\expandafter\@tildeORI\fi}%
\def\@Fsp##1{\ifFMA\ifmmode~{\mathrm{##1}}%
  \else$\{\mathrm{##1}\}$\fi%
  \else##1\fi}%
\def\@umer##1{\protect\@Fsp{##1}\kern.2em\ignorespaces}%
\long\def\etc{\def\@tempa{}% -etc. .... \etc
  \ifFMA%
  \ifhmode\ifUSP\unskip\space\fi%
  \ifdim\lastskip>\z@\unskip\penalty\@M~\fi%
  \fi%
  etc\def\@tempa{\@ifNextNB.{}{}%
    \@fw{-60- %
  }}%
  \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{\iffECM\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{\iffECM\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{\degre}\@tempdimb=\ht0%
\advance\@tempdimb by -\@tempdima%
\lower\@tempdimb\hbox{\degre}%
\multiply\@FrDimen by 45%
\divide\@FrDimen by 20%
\kern-\@FrDimen% -(emacs
)\kern+.3em}%

\def\quando=##1{\@FrCount=##1\@FE}% -(emacs..... \quando=n or \quando=n)
\MakeRobustCommand{quando}%
\def\primo{\@FrCount=1\@FE}%
\def\secundo{\@FrCount=2\@FE}%
\def\tertio{\@FrCount=3\@FE}%
\def\quarto{\@FrCount=4\@FE}%
\def\frenchalias##1##2{% -..... \frenchalias
\ifx##1\undefined\let##1 ##2\relax%
\else\fiissue%
\@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\sbbox\z@ T\ vbox to\ht\z@\hbox{%
\check@mathfonts\fontsize\sf@size\z@\math@fontsfalse%
\selectfont A}\vss}}\kern-.15em)\kern-.075em\TeX}%
\MakeRobustCommand{AllTeX}%
}{}%

```

```

%#>
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
\let\@currname\@currnameORI% -reset current package name
\def\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@add@to\undefined\else% -polyglot is running
\def\pg@begin{\begin{group}}% -Javier Bezos <jbezos@mx3.redestb.es>
\def\pg@end{\end{group}}% -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%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

```