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% This is french_doc.pdf (informations en francais dans frdoc)
% by Bernard GAULLE since 1989.
%.....
% Have you registered? if not, fill in the form in the REGISTER file and send
% it now, otherwise Bernard will never accept your messages requesting help.
%.....
% (Copyright notice in English just after the French one)
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% =====
% - La distribution des fichiers French Pro pour LaTeX est effectuee
% selon le mode shareware. Apres installation et essai de ces fichiers
% pendant un mois vous devez decider soit de les garder pour en faire
% un usage regulier soit de les detruire. Si vous les conservez il vous
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% en tirer benefice (meme s'il ne s'agit pas d'un grand profit) et donc
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% qui reduirait ses possibilites intrinseques ; vous n'avez donc pas
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% d'origine.
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% sur le domaine de l'Internet (dont les serveurs CTAN).
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% et prêts a la distribution.
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% avec la volonte qu'il soit correct mais aucune garantie ne peut etre
% fournie, de quelque ordre que ce soit. Les utilisateurs l'utilisent
% entierement a leur propre risque. L'auteur n'admettra et n'acceptera
% d'etre lie par un quelconque engagement en cas de manque a gagner,
% direct, indirect, immediat, consecutif ou autre, resultant de son
% utilisation.
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% en appliquant des modifications, meme si de votre point de vue, elles
% corrigent des deficiences.
% Les lois internationales, europeennes (91-255) et francaises (94-361)
% sont applicables.
% L'utilisateur de ce logiciel peut toutefois le personnaliser a volonte
% par differents moyens expliques dans la documentation. L'auteur du
% logiciel n'est toutefois aucunement lie par une modification introduite
% par une personnalisation utilisateur.
%
% Copyright Gaulle-GUTenberg 1992-1998, B. Gaulle 1999-2004.
% =====
% - The distribution of French Fro files for LaTeX is made on
% the shareware mode. After installation and tests of these files
% during one month you have to decide either to keep them for
% further use or to delete them. If you keep them you have to
% pay the usage fees to the author (29 euros for single user licence,
% look at the REGISTER file).
% - You are NOT ALLOWED to change in any way all files marked
% with "Copyright".

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% - Free redistribution of this distribution is authorized but only
% when complete and not pre-installed.
% You are NOT ALLOWED to take money for the distribution or use of
% these files except for a nominal charge for copying etc.
% All softwares sold via commercial distributors are considered to
% make money, even they don't make an important profit, thus the
% redistribution is strictly limited to a previous agreement with
% the author.
% - You are NOT ALLOWED to include these files in a package/software in
% a way that will reduce its capabilities or features; this doesn't allow
% you, for example, to redistribute only few parts of the whole original
% files.
% - All the files included in the distribution are available freely inside
% the Internet domain (and specially on CTAN servers).
% - There was no virus at the time these files were completed for
% distribution.
% - This computer code is offered in hopes that it will be found useful,
% and in the belief that it is correct, but it is offered without any
% warranty of any kind, including warranty of fitness for any purpose.
% Users of this code do so entirely at their own risk. The author neither
% admits nor accepts any liability for any loss, direct, indirect,
% consequential, incidental, or otherwise, resulting from the use of this
% computer code.
% - You are NOT ALLOWED to substitute author's authority by applying
% modifications even if, in your point of view, they correct deficiencies.
% International, European (91-255) and French (94-361) laws apply.
% There is still the possibility for the user to customize this
% package at his wishes by various means explained in the documentation.
% The author of the package is not liable for any change introduced
% by any users customization.
%.....V2.4
%%
%%      checksum      = "47760 3776 13113 195543"
%%
%.....
% NOTICE that this work was done without any formal support.
%      Friendly helps, supports as well as sponsors are welcome!
%.....
\expandafter\ifx\csname frenchTeXmods\endcsname\relax%...\ifundefined
\else \endinput \fi%..... \then go ahead \else do nothing \fi
\def\frenchname{french}% this is the name of our language
\def\ds@french{}% this might be usefull if loaded before \document...
\def\ds@pmfrench{\pmfrench}% further defined
%\def\ds@le{\input frenchle.sty}%
%
%      french.sty developped by Bernard GAULLE for French-Speaking Users as of:
{\catcode'\@=11{%
\ifx\@unexpandable@protect\undefined\let\protect\empty%
\else\let\protect\@unexpandable@protect%
\fi%
\def\FSfd{10 mars 2004}%
\def\FSfv{V5,90}%
\def\frenchstyleid{\FSfv\space-- \FSfd\space --}%
}}%
\edef\FSfd{2004/03/10}%
%
% 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 author: frenchpro@free.fr
% (Bernard Gaulle, 44 rue P. Curie, F-92700 Colombes)
%
% Canonical Archives server is: www.gutenberg.eu.org
% (in /pub/GUTenberg/french)
% where these files are archived.
%
% Running only with LaTeX2e, oldest format required:
\NeedsTeXFormat{LaTeX2e}[1996/12/01]% the latest one acceptable
\let\auxWARNINGi=\@gobble% accept aux files produced by french
% This style is using, at most:
%%<
%%> 577 strings out of 11731 (4.9%);
%%> 4675 string characters out of 85497 (5.4%);
%%> 11217 words of memory out of 262141 (4.2%);
%%> 567 multiletter control sequences out of 9500 (5.9%).
%
% (I used usual teTeX with option mltx).
%
% Last updates, starting after releasing version pr\'e-V5,00 (Nov 29th, 1999):
% =====
%
%Released --bg 2004/03/17
%
% and also check if there is any frpatch.sty file available.
%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% Object: DOCUMENT CLASS OPTION for printing French texts with TeX or LaTeX
% as well as english. (or multilingual texts in which French is the
% main language).
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%
% It can be called:
% via \usepackage{french} % french is alone
% or \usepackage[french]{mlp} % using The Multi-Lingual Package
% or as an option of \documentclass, when using mlp.
%(or via Babel, with less features)
%
% Commands to be used by the end users:
% =====
% \frenchtest between \document.... and \end{document} will run
% the LaTeX "Torture Test" (see french*.tex files).
% \frenchdoc between \document..... and \end{document} will compose
% the LaTeX documentation (see frenchlu.tex file).
% \french Apply French conventions including hyphenation,
% typography, page layout, titles inside documents and
% few other things helping when typing a document.
% This is the default language.
% \begin{french}...\end{french} to bind the French text with LaTeX.
% \french ... \endfrench with TeX.

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

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

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

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%      \automaticlettrine processing: the lettrine uses a computed
%      font size.
%      You can use \lettrinefontname to set the font
%      (default is current font) and it will start the
%      \automaticlettrine feature that means a new value
%      of \lettrinefont is established (font-size).
%      \lettrinehang is defaultly set to 2 lines and
%      can be changed.
%      The \automaticlettrine feature can be stoped by
%      calling \noautomaticlettrine.
%  Suboption: \everyparguillemets open guillemets on every paragraph
%              until closing and do nothing at level 2.
%              This is the default.
%      \everyparguillemetsremoved switch off the previous feature.
%      \noeveryparguillemets don't start each par with guillemets
%              but start each level 2 line with them.
%              \guillemets is forbidden, use 7/8bit
%              guillemets chars.
%              (see documentation for further explanations)
%  Suboption: \overfullhboxmark print the TeX black box exactly where there
%              is an overfull hbox (as draft option do)
%      \nooverfullhboxmark is the default in LaTeX
%  Suboption: \labelsinmargin put labels in margin for debugging purposes
%              This option can be used anywhere (outside
%              \frenchlayout as well as \french environment)
%      \nolabelsinmargin is the default
%
%      Propose the following environments:
%
%  Environment \begin{drapeaufg}...\end{drapeaufg} to typeset raggedright
%              with hyphenation.
%  Environment \begin{drapeaufgIN}...\end{drapeaufgIN} to typeset raggedright
%              without hyphenation (rules of Imprimerie Nationale)
%              As text is never split and overfull can occur
%              you may have to split lines by hand.
%  Environment \begin{drapeaufd}...\end{drapeaufd} to typeset raggedleft
%              with hyphenation.
%  Environment \begin{drapeaufdIN}...\end{drapeaufdIN} to typeset raggedleft
%              without hyphenation (rules of Imprimerie Nationale)
%              Text printed past the line limit may occur.
%  Environment \begin{order}...\end{order} to enumerate items with
%              via \primo \secundo etc. and with sepcial spacing
%  Environment \begin{figurette}...\end{figurette} to place a (little)
%              figure EXACTLY here.
%  Environment \begin{versatim}...\end{versatim} to print verbatim
%              but with hyphenation typeset as in \verse and with
%              \noenglishquote and \noenglishdoublequotes available
%  Commands: \vers|...| the inline (or intext) vserion of "versatim"
%      BUGED!! (\nopagenumbers reintroduced if undefined)
%  \nofrenchlayout      Nullify former actions
%-----
%  \frenchtranslation . Translate all English titles used in LaTeX, to french
%                      and generate French dates. This is the default.
%                      All things should normally run with std LaTeX or Babel.
%                      You can also create your own styles using these captions
%                      A lot of captions are newly defined for letters.
%                      You can also change the titles with your own definitions
%                      by using \fraddto\captionfrench{\..name}{title}.
%  Environment \begin{resume}...\end{resume} to print an abstract
%              . \resume has been defined for French abstracts (we often

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%          need French and English abstracts together). You must
%          be in \french before using it. (like you are in \english
%          when you use \begin{abstract}...\end{abstract}).
% Environment \begin{motsclef}...\end{motsclef} to print a keywords list.
%          . \motsclef has been defined for French keywords.
% (Environment \begin{keywords}...\end{keywords} to print a keywords list)
%          (by the way i have defined \keywords \endkeywords)
%          . \sommaire is defined as a toc in front of a document.
%          \sommaire[1] don't print paragraphs entries and below.
%          \sommaire[2] don't print 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 .glx) & print something acceptable.
%          . makeidx.sty is included and translated.
%          . \seealso is defined for indexes.
% \nofrenchtranslation Nullify former actions.
%-----
% \frenchmacros      Add a lot of macros to help in typographic process.
%          \ier      for printing 1\ier (premier) (examples)
%          \iere      for printing 1\iere (premiere)
%          \ieme      for printing 2\ieme (deuxieme)
%          and their plurials \iers, \ieres and \iemes.
%          \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
%          \degrees for printing (degrees)
%          \leftguillemets for << (unbalanced left guillemets)
%          \rightguillemets for >> (unbal. right guillemets)
%          \fup{X} to put X in a smaller size supscript
%          \primo \secundo \tertio \quarto \quando={n}
%          [or:\primo) \secundo) \tertio) \quarto) not recommended]
%          \fsc{name} or \fsc{NAME} will print as \textsc{Name}
%          \fsc*{name} or \fsc*{NAME} forces use of \rmfamily
%          \lsc{name} or \lsc{NAME} will print as \textsc{name}
%          \lsc*{name} or \lsc*{NAME} forces use of \rmfamily
%          \refmark{X} stands for \footnotemark[\ref{X}]
%          \moretolerance will double each TeX tolerance within
%          any chosen grouping (useful in narrow situations).
%          \Sauter#Lignes will skip # lines (for specific usage)
%          \! (negative thin space) run in non math mode
%          \frenchalias\your_short_name\the_long_french_macro_name

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%                                     to give a short name to a very long macro name.
% Suboption: \abbreviations allowing to ask for: "name_to_be_abbreviated"
%                                     will print abbreviation if found otherwise will give a
%                                     warning and print the name as is. The first char. of
%                                     "name" is not compared, except if the abbreviation file
%                                     contains {Name}. Customisation is allowed like this:
%                                     \abbreviations[my_abbrev_file]
%                                     \noabbreviations is the default option
% \nofrenchmacros Nullify former actions
%
% Some complementary macros used in other parts:
%     \ordinal{counter} gives "premier", "deuxieme", ... "vingtieme"
%     \Ordinal{counter} gives "Premier", "deuxieme" ...
%     \ordinaire{counter} gives "premi\`ere", ...
%     \Ordinaire{counter} gives "Premi\`ere", ...
%
% Macros to output messages:
%     \kbtypeout{msg} issue msg on console, translating or not
%                     the accent macros and not expanding the activated chars.
%                     Under control of \@kbspecials for 8-bit output
%                     translation possibility. Such package like
%                     kbconfig/keyboard can translate to the
%                     appropriate keyboard encoding. In fact \kbtypeout is
%                     equivalent to \kbIO[\typeout].
%     \kbIO[output_macro]{msg_text} allows to output the message
%                     either on log file (\wlog), or on console (\typeout)
%                     or even on any file (\immediate\write...)
%
%-----
% \frenchwarnings let french issue its warnings, this is the default. This
% part has the followings sub-options:
% Suboption: \frenchtrivsepwarnings let french inform the user when
% vertical spacing is not respected as requested in
% a non-standard environment. This is the default
% Suboption: \nofrenchtrivsepwarnings ask french not to issue any warning
% regarding the vertical spacing requested by the
% user and not applied. This is the default when user
% choose his own values for spacing via \frtrivseplengths.
% \nofrenchwarnings instruct french to stop to issue messages.
% This syntax is probably not the final one.
%-----
%
%
%*****
%
%=====
% | About typing |
%=====
%% No code here, just an advice.
%%
%% Inputting French punctuation you must type a space:
%% - before a double punctuation (! ? ; :)
%% - before >>
%% - after << ; :
%% Double " or single quoting ` ' as well as single guillemets < > must not
%% be used in french.
%% Type ... normally (instead of \dots or \ldots).
%% Respect French abbreviations like:
%% \hbox{c.-\`a-d.} / \emph{i.e.} / p.ex. / \etc. / cf. / id. /
%% p.i. / p.o. / doc. / chap. / part. / vol. / paragr. / R.S.V.P. / ...

```

```

%%
%% Please apply these allmost elementary (and historical) rules.
%%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%
\newif\ifECM%
% Here come \if-switches codes in case of french.sty badly initiated
\def\ErrFrench{\message{-26- Erreur d\'etec\'ee dans \frenchname.sty !}%
\message{(voir p.ex. le fichier language.dat)}}%
\def\ifFTY{\ErrFrench}\def\ifFTR{\ErrFrench}\def\ifFG{\ErrFrench}%
\def\ifFLA{\ErrFrench}\def\ifFMA{\ErrFrench}\def\ifFH{\ErrFrench}%
\def\ifArG{\ErrFrench}\def\ifFTSW{\ErrFrench}\def\ifFW{\ErrFrench}%
%
\edef\GOfrench{'\string @}% temp def further correctly defined
\ifnum\catcode\GOfrench=11% mods of code proposed by DT that
\let\resetat\relax% accepts also that @ were active
\else\edef\resetat{\noexpand\catcode\GOfrench=\the\catcode\GOfrench}%
\makeatletter\fi%
%
\let\@currnameORI\@currname% save current package name
\xdef\@currname{\frenchname}% set package req.
{\def'\{\string\'}% to avoid \accent@spacefactor=\undefined (in pr\'e-)
\ProvidesPackage{\frenchname}[\FSfd\space The French package /\FSfv/]%
}%
\def\GOfrench{babel}\ifx\@currnameORI\GOfrench% allow Babel to load me
\ifx\undefined\babel@core@loaded\input babel.def\relax\fi%
\ifx\undefined\babel@core@loaded% still undefined (>3.5)?
\let\babel@core@loaded\main@language\fi%
\fi%
%#<
%\let\FSfd=\undefined% let it defined for possible patch test.
\def\@tempa#1V#2,#3\@nil{\def\@FSfv{#2}}\expandafter\@tempa\FSfv\@nil%
%#>
\let\FSfv=\undefined% return to the pool
\IfFileExists{frpatch.sty}{\def\FSfd@patch{unknown}}{\let\FSfd@patch\FSfd}%
%
\if@compatibility% provide error msg with 2.09 emulation
\typeout{^^J -68- ERROR: \frenchname\space is no more running %
with 2.09 emulation, sorry!}\expandafter\stop%
\fi%
%
\ifx\l@french\undefined\typeout{^^J -20- WARNING:
the french language is undefined in your format.}%
\fi%
%
\fontencoding{\encodingdefault}\selectfont%
\def\@temp@{OT1}\ifx\@temp@\f@encoding%
\def\@temp@{\global\ECMfalse}%
\else\def\@temp@{L01}\ifx\@temp@\f@encoding%
\def\@temp@{\global\ECMfalse}%
\else% could be LY1
\def\@temp@{\global\ECMtrue}%
\fi%
\fi%
\@temp@%
\ifECM\else\ifx\charsubdef\undefined%
\typeout{^^J %
-29- ***Warning***\string: TeX engine in use along with CM fonts}%
\typeout{-29- (as in current TeX format) isn't sufficient to hyphenate}%
\typeout{-29- words containing diacritics (like in French).}%

```

```

\fi\fi%
\ifx\undefined\@dblarg% ..... \@dblarg
\long\def\@dblarg#1{\@ifnextchar[{#1}{\@xdblarg{#1}}}%
\long\def\@xdblarg#1#2{#1[{#2}]{#2}}%
\fi%
\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\stringl\string'\endcsname%
\expandafter\let\expandafter\@gravORI\expandafter=%
\csname OT\stringl\string'\endcsname%
\expandafter\let\expandafter\@acchORI\expandafter=%
\csname OT\stringl\string^\endcsname%
\expandafter\let\expandafter\@tremORI\expandafter=%
\csname OT\stringl\string"\endcsname%
\expandafter\let\expandafter\@cediORI\expandafter=%
\csname OT\stringl\stringc\endcsname%
%#< This is a little code to avoid braces to be striped when the token
% is provided via a macro parameter.
\def\@PreserveBraces[#1#2]%..... \@PreserveBraces
{\ifcat\noexpand#1$ #1#2\def\@temp@{}}%
\else\def\@temp@{#2}%
\ifx\@temp@\empty\def\@temp@{#1}%
\else\def\@temp@{{#1#2}}\fi%
\fi\expandafter\@temp@}%
%
\def\@temp@{lplain-bilingual}% E.P. wrong old def checking
\ifx\fmtname\@temp@\typeout{ERROR: check for lplain.tex in ALIRE}\stop\fi%
%
\let\@FrReg\iftrue\def\@FrVal{}%
\begingroup%
\let\@FrReg\iftrue\def\@FrVal{0pt}\let\@FrGo\endgroup%
\let\ladate\@tempcnta\let\lasem\@tempcntb%
\def\Todate#1#2#3{\ladate=#2\advance\ladate by -2000\multiply\ladate by 100%
\advance\ladate by 2000\advance\ladate by #18000%
\lasem=#3\multiply\lasem by 4%
\if#12\advance\lasem by -4\edef\@tempb{\string>}%
\else\advance\lasem by 4\edef\@tempb{\string<}\fi%
\advance\ladate by \lasem%
\let\laver=\@tempcntb\laver=\@FSfv%
\if#12\advance\laver by 200\else\advance\laver by 400\fi
\multiply\laver by 100000%
\let\lakey=\laver\advance\lakey by \ladate%
\@FrDimen\lakey sp%
\def\@tempd{\ifdim0pt=\@FrVal\else%
\ifdim\@FrDimen\@tempb\@FrVal\def\@tempa{}}%
\else\ifdim\@FrDimen=\@FrVal\def\@tempa{}}%
\fi\fi\fi}%
\@FrReg\def\@tempa{\let\@FrReg=\iffalse%
\def\@FrGo{\endgroup\stop}%
\edef\@FrVax{NO MORE }\let\@tempg\fi}%
\expandafter\@tempd%
\fi\@tempa%
}%
\def\@tempc{\endlinechar=-1\def\@FrVal{}%
\read\@inputcheck to \@FrVal\read\@inputcheck to \@FrVal%
\@FrVal\def\@FrVal{0pt}\read\@inputcheck to \@FrVal%
\ifx\@FrVal\empty\def\@FrVal{0pt}\edef\@FrVax{UN}\fi%

```

```

\Todate{2}{\the\year}{\the\month}\edef\@tempe{\the\@FrDimen}%
\ifdim0pt=\@FrVal\edef\@FrVax{UN}\fi%
\read\@inputcheck to \@FrVal%
\ifx\@FrVal\empty\def\@FrVal{0pt}\edef\@FrVax{UN}\fi%
\@FrReg\ifx\@FrVal\empty\def\@FrVal{0pt}\fi%
\Todate{4}{\the\year}{\the\month}%
\fi
\ifdim0pt=\@FrVal\edef\@FrVax{UN}\fi%
\read\@inputcheck to \@FrVal%
\endlinechar\^^M%
}%
\openin\@inputcheck=frlicense.dat %
\let\@tempa\relax\def\@Ffnt#1{\typeout{-2- #1 file not found.}}%
\ifeof\@inputcheck\@Ffnt{frlicense.dat}\def\@tempa{\endgroup\stop}\fi%
\@tempa\@tempc%
\closein\@inputcheck%
\def\@tempa{\let\@FrReg\iffalse}%
\def\@tempb{0pt}%
\ifx\@FrVal\empty\def\@FrVal{0pt}\fi%
\ifx\@FrVal\@tempb\@tempa\Todate{4}{\the\year}{\the\month}%
\immediate\openout\@inputcheck=frlicense.dat %
\catcode'\%=12\immediate\write\@inputcheck{\string%%
frlicense.dat file providing license numbers for French Pro}\catcode'\%=14
\immediate\write\@inputcheck{\noexpand\makeatletter\noexpand\let%
\noexpand\@nodocument\noexpand\@end}%
\immediate\write\@inputcheck{\@tempe}\advance\@FrDimen by 5 sp%
\immediate\write\@inputcheck{\the\@FrDimen}%
\edef\@FrVal{ONE MONTH TRIAL (starting \the\year/\the\month/\the\day)}%
\immediate\write\@inputcheck{\@FrVal}%
\immediate\write\@inputcheck{This is a private file. Never copy. %
never modify.}%
\immediate\write\@inputcheck{Ne jamais modifier, ni recopier ce fichier.}%
\immediate\closeout\@inputcheck\let\@FrGo\endgroup%
\fi%
\def\@tempa{ONE}%
\def\@tempc#1 #2@nil{\def\@tempc{#1}}\expandafter\@tempc\@FrVal{} \@nil%
\def\@tempb{\let\@FrReg\iffalse\edef\@FrVax{UN}}%
\ifx\@tempc\@tempa\@tempb\fi%
\def\@tempb{\let\@FrReg\iffalse\edef\@FrVal{\@FrVax REGISTERED COPY}}%
\ifx\@FrGo\endgroup\else\@tempb\fi%
\@FrReg\typeout{^^J -*- French Pro serial number is *\@FrVal*}%
\else\expandafter\typeout{^^J -*- \@FrVal\space of French Pro.}%
\fi\@FrGo%
%#>
\def\@tempa{\let\ifEightBitOutput\iffalse}%
\ifx\EightBitOutputfalse\undefined\expandafter\@tempa\fi%
\let\@tempc\relax% AmS bug: \@tempc=\if.
%
\ifx\today\undefined\let\today\cejour\fi% for lettre.cls
\ifx\today\undefined\typeout{^^J -52- Error: the \frenchname\space
package doesn't run in such minimal document class, sorry!}\expandafter\stop%
\fi%
{\def\GOfrench{\global\let\ifEightBitOutput\iffalse}% force seven bits
\let\add@accent\@gobble\edef\@tempa{\'\{}}%
\def\@tempb{{\setbox \@tempboxa \hbox {\}\accent 18 }}%
\ifx\@tempa\@tempb% hum, OT1 is just loaded, so no expand.
\expandafter%
\GOfrench% and force seven bits for all \@fw messages.
\fi%
}%

```

```

%
\def\@fw#1{\let\@nobraes\@firstofone%
  \ifEightBitOutput%
    \setbox\@tempboxa\hbox{\'\space}% For \add@accent expansion.
    \ifx\charsubdef\undefined\else% case MlTeX only
      \let\add@accent\@gobble% Avoid redef. by fontenc loading.
      \def\'##1{\expandafter\@nobraes\@aiguORI##1}%
      \def\'##1{\expandafter\@nobraes\@gravORI##1}%
      \def\^##1{\expandafter\@nobraes\@acchORI##1}%
    \fi%
  \else%
    \let\protect\string\let\add@accent\@gobble%
  \fi%
  \edef\@tempa{#1}\typeout{\@tempa}}}%
{\def\ier{er}% this is the French typographic abbreviation of "st"
\@fw{^^J -23- Extension \string : style \frenchname\space%
  \frenchstyleid\space(B.Gaulle)}%
}%
%
\let\ifFW\iftrue% Start with (warning) messages
\def\@fw#1{\let\@NoFr\relax% Avoid any loop inside \kbtypeout.
  \ifFW\kbtypeout%..... French warning
    {^^J \frenchname.sty \string : #1\@o@1}%
  \fi%
  }% Notice: after \begin{document} there is no more need to
  % protect active characters against expansion.
\ifx\kbtypeout\undefined%
% Notice that \kbtypeout can be set to \relax\egroup by keyboard.sty.
\def\@kbtypeout[#1]#2{\ifEightBitOutput\let\@typeset@protect\protect\fi%
  \let\@inpenc\undefined\@gobble% To avoid loop.
  \edef\f@tempa{#2\empty}% Expand it now and type out.
  #1{\f@tempa}\egroup}%
\def\kbtypeout{\kbIO[\typeout]}%..... \kbtypeout
\def\kbIO{\bgroup%..... \kbIO
  \ifECM\fontencoding{OT1}\selectfont\fi% Basic fontencoding needed.
  %\nofrenchtypography% To apply only after \begin{document}.
  \let\@nobraes\@firstofone% could be provided separately,
  \let\protect\string%
  \ifEightBitOutput% eg by kbconfig.
    \def\'##1{\expandafter\@nobraes\@aiguORI##1}%
    \def\'##1{\expandafter\@nobraes\@gravORI##1}%
    \def\^##1{\expandafter\@nobraes\@acchORI##1}%
    \def\'##1{\expandafter\@nobraes\@tremORI##1}%
    \def\c##1{\expandafter\@nobraes\@cediORI##1}%
  \csname @kbspecials\endcsname% Translation settings.
  \else% 7-bit output wanted.
    \let\add@accent\@gobble%
    \def\set@display@protect{\let\protect\noexpand}% Have spaces!
  \fi%
  \@kbtypeout}%
\fi%
\ifx\@kbtypeout\undefined% A default \@kbtypeout macro.
  \def\@kbtypeout[#1]#2{#1{#2}\egroup}%
\fi%
\def\@tempb{\let\ifEightBitOutput\iffalse}%
\ifx\kbtypeout\typeout% If no kb output encoding then set a correct \@fw cs.
  \long\def\@tempa{\add@accent{19}}% Case standard OT1 (re)loaded
  \ifx\@tempa\@aiguORI\expandafter\@tempb\fi% then force 7-bit.
\def\@fw#1{\ifFW\bgroup\let\@nobraes\@firstofone%
  \ifEightBitOutput%

```

```

\ifx\charsubdef\undefined\else%
\def\'##1{\expandafter\@nobracess\@aiguORI##1}%
\def\'##1{\expandafter\@nobracess\@gravORI##1}%
\fi%
\else%
\let\protect\string\let\add@accent\@gobble%
\fi%
\@kbtypeout[\typeout]{^^J \frenchname.sty \string : #1\@o@1}%
\fi%
}% Notice: after \begin{document} there is no more need to
\fi
%
\def\@Ffnt#1{\@fw{-2- fichier #1 non trouv\'e}}%
\def\@fininput#1{\InputIfFileExists{#1}{\@Ffnt{#1}}}%
\def\@NoFr{\@fw{-3- l'option \frenchname\space n'est pas active ici !}}%
\let\ifFrench\iffalse%
%
\ifx\addto\undefined%..... \addto
\def\addto#1#2{\ifx#1\@undefined\def#1{#2}%
\else\ifx#1\relax\def #1{#2}%
\else{\toks@\expandafter{#1#2}%
\xdef#1{\the\toks@}}%
\fi%
\fi%
}%
\fi%
\def\fraddto#1#2{\addto{#1}{#2}%..... \fraddto
\ifFrench\french\else\english\fi}%
%
\ifx\DocInput\undefined\else%..... \DocInput
\let\fr@di\DocInput\def\DocInput#1{% for ltxdoc.cls
\ifFrench\english\fr@di{#1}\french%
\else\fr@di{#1}%
\fi\relax}%
\fi%
\ifx\url\undefined\else%..... \url
\let\fr@ul\url\def\url#1{% for hyperref package
\ifFrench\english\fr@ul{#1}\french%
\else\fr@ul{#1}%
\fi\relax}%
\fi%
\ifx\hyper@n@rmalise\undefined\else%..... \href
\let\fr@hne\hyper@n@rmalise\def\fr@hnr#1#2{\fr@hne{#1}{#2}}%. \hyperref
\def\hyper@n@rmalise{\ifFrench\english\expandafter\fr@hnr%.. \hyperimage
\else\expandafter\fr@hne\fi}%
\fi%
\ifx\PDFSCR@Info\undefined\else% Remove last dot in sect. numbers of pdfscreen.
\def\@seccntformat#1{\protect\textcolor{section\thesection@level}%
{\expandafter\upshape\csize the#1\endcsize}\quad}%
\fi%
% The following should be obsolated:
\ifx\listing\undefined\else%..... \listing
\let\fr@li\listing% Save current definition of \listing.
%\newcommand\listing[2][1]{...} definition inside moreverb package, i.e.:
\edef\listing{\noexpand\@protected@testopt\noexpand\listing%
\expandafter\noexpand\csize\string\listing\endcsize {1}}%
%% Old moreverb def: \def\listing{\@ifnextchar[{\@listing}{\@listing[1]}}%
\ifx\fr@li\listing%
\def\listing{% for moreverb package
\ifFrench\expandafter\english\expandafter\fr@li%

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```

\else\expandafter\fr@li%
\fi}%

\else%
\long\def\listing{% for listing package
\ifFrench\expandafter\english\expandafter\fr@li%
\else\expandafter\fr@li%
\fi\relax}%

\fi%

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

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

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

\fi%
%#<
\def\ifFrench#1\fi{\@NoFr}% a temporary definition for error messages
%(\endnonfrench remains \undefined)
\def\originalinput#1{\ifFrench\english\@finput{#1}\french%..... \originalinput
\else\@finput{#1}\fi\relax}%
\def\originaloutput[#1]{%..... \originaloutput
\bgroup\ifFrench\english\fi%
\def\@originalout##1##2{\immediate\write##1{##2}\egroup}%
\@originalout{#1}}%
\let\ifFLA\iffalse% We need \ifFLA now
\@ifundefined{printindex}{% makeidx.sty is included (as of 20-jan-87)
\def\see#1#2{\seename%i assume this macro is defined in non-english sty.
\ / {#1}}%.....\see
\def\printindex{\clearpage%..... \printindex
\ifx\hyper@refstepcounter\undefined\else%
\stepcounter{subparagraph}%
\hyper@refstepcounter{subparagraph}%
\fi%
\addcontentsline{toc}{chapter}%
{\protect\indexname}%
{\let\@ti\theindex%..... \theindex
\def\theindex{\@ti\ifFLA\thispagestyle{french}\fi}%
\@finput{\jobname.ind}}}%
\let\@tbs\thebibliography%
\long\def\thebibliography#1{\@tbs{#1}%..... \thebibliography
\ifFLA%
\ifx\hyper@refstepcounter\undefined\else%
\stepcounter{subparagraph}%
\hyper@refstepcounter{subparagraph}%
\fi%
\ifx\bibname\undefined%
\addcontentsline{toc}{chapter}{\refname}%

```

```

\else%
                                \addcontentsline{toc}{chapter}{\bibname}%
\fi%
                                \fi%
                                }%
\def\ifFLA{\ErrFrench}% reset it to normal value here
\@ifundefined{disableindex}{}% Ok index.sty is not loaded;
                                {% Otherwise we must redefine its \see
                                \def\see#1#2{\seename\ / {#1}}% which contains \emph{\seename}.
                                }%
\@ifundefined{seealso}{%cf TUGboat V12#2 p290 and V13#1 p 95 .. \seealso
\def\subsee#1#2{\seeealsoname% i assume this macro is defined in non-engl.
\ / {#1}}% the #2 consumes a comma or \dotfill
\let\nosee\@gobble% consumes the page number
\def\seealso{\bgroup\edef\@temp@{\@ifNextNB[{\see@so}%] case index.sty
\see@lso}}%

\def\see@lso#1#2{\expandafter%
\index\@temp@{#1!zzzzz@\protect\subsee{#2}|nosee}\egroup}%
\def\see@so[#1]{\edef\@temp@{[#1]}\see@lso}}}%

%#>
% \if switches mechanism for french typography
%
\def\@ifFTYfalse{\let\if@Back\ifFTY\let\ifFTY\iffalse}%
\def\@ifFTYback{\let\ifFTY\if@Back}%
\let\if@PMF\iffalse% PMF siwtch off for french light.
%#<
% Poor man defs
%
\newif\if@PMF\@PMFfalse%
\def\pmfrench{\@PMFtrue\@fw{-4- entering now "Poor-Man-French-Style" way}%
\def\frenchname{\pmfrench}}%
%#>
% Font processing
%
% look at \GOfrench for \footnotesize, \Huge, \sm@ller, \l@rger and co.
%
% information messages:
\message{-24- \frenchname.sty utilise dans ce document le codage de fonte %
\f@encoding.^J}%
%
\message{-25- \frenchname.sty affiche ici ses messages en %
\ifEightBitOutput8-bits.\else7-bits << \string\`a la TeX >>.\fi^J^J}%
%
%For testing purposes ..... \CheckSevenBits
\def\CheckSevenBits/#1{\def\@tempa##1##2/##3{\ifx##2\empty\else%
\@fw{- 51 - ERREUR : ce document n'a pas \et\`e converti en 8-bits...}%
\expandafter ##3\fi}\expandafter\@tempa\noexpand#1}%
%
\@ifundefined{tt}{\def\tt{\fontfamily{\ttdefault}\selectfont}}{}%..... \tt
%#<
% What font use for guillemets?
% if \guillemetsinallfonts: the current font
% if \guillemetsinroman: 1- try EC 2- or lasy 3- otherwise math simulation
\let\ifGIAF\iftrue% by now assume guillemets in all fonts
\@ifundefined{ly}% try to define \ly with NFSS ..... \ly
{% Always 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)

```

```

\edef\@currname{latexsym}% set package req.
\@input latexsym.sty\@input ulasy.fd%
\fi%
\fi%
\def\@ly{\fontencoding{U}\fontfamily{lasy}% set encoding & family
\ifGIAF\else\fontseries{m}\fontshape{n}\fi\selectfont}%
\def\ly{\ifFG\ifECM\rm\else\@ly\fi\fi}% default is rm otherwise lasy.
}{}%
%
\ifx\guillemetsfont\undefined%
\def\guillemetsfont{\fontfamily{\rmdefault}%..... \guillemetsfont
\fontseries{m}\fontshape{n}\selectfont}%
\fi%
\def\@gfnt{\guillemetsfont}% Default guillemets' font is \rm.
%#>
% \string definitions and saved chars
%
\edef\lq{\string'}\edef\rq{\string'}% as usual in LaTeX ..... \lq \rq
\let\@cilq='% this will be the catcode independent left quote
\edef\lqq{\string'\string'}\edef\rqq{\string'\string'}%..... \lqq \rqq
\edef\pointvirgule{\string;}%..... \pointvirgule
\edef\deuxpoints{\string:}%..... \deuxpoints
\let\@cidp=% this will be the catcode independent double point
\edef\pointexclamation{\string!}%..... \pointexclamation
\edef\pointinterrogation{\string?}%..... \pointinterrogation
\edef\inferieura{\string<}%..... \inferieura
\edef\superieura{\string>}%..... \superieura
\edef\ditto mark{\string"}%..... \ditto mark
\let\@f@par\par% save it for \lettrine inside a list environment.
\let\@SLQ\lq%
\def\@SRQ{^{\bgroup\prim@s}%
\def\@SRQ{\ifmmode\expandafter\@SRQ\else\rq\fi}%
%#<
\let\@gotl\guillemotleft%
\let\@gotr\guillemotright%
\def\@temp@{LO1}\ifx\@temp@\f@encoding%
\else\edef\@temp@{OT1}\fi%
\def\@tempa#1{\expandafter\relax% define OT1-guillemets or LO1 ones
\expandafter\global%
\expandafter\def%
\csname\@temp@\string#1\endcsname}%
\@tempa{\guillemotleft}{\let\ifECM\iffalse%
\ifFG\ly(\kern-0.20em\else<<\fi}%
\@tempa{\guillemotright}{\let\ifECM\iffalse%
\ifFG\unskip% last kern was not in the correct font.
\ly\kern+0.20em\kern-0.20em)%
\else>>%
\fi}%
\let\@LSG\inferieura\def\@DOG{\inferieura\inferieura}%
\let\@RSG\superieura\def\@DFG{\superieura\superieura}%
\def\@SOC{\string[% ] emacs
}%
\def\@SFC{% [ emacs
\string]}%
\edef\@LP{\ifECM023\else(\fi% ) emacs
}%
\edef\@RP{% ( emacs
\ifECM024\else)\fi}%
%#>
% Define Options ..... French style OPTIONS definitions

```

```

%
\newif\ifFH%
\let\@noBDfr\@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}%
\fi%
% Defaultly, layout is not constant from one language to another.
\global\let\ifCLAfrench\iffalse% No defaultly constant French page layout.
%\def\nombre{\@noBDfr}%
%\def\WindowsUnits{\@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\letpunctuationactivefor{\@noBDfr}%
% This dirty hack to bypass ugly latex209 output routine of seminar slides.
\def\@tempa{\let\ifarticle\iffalse}%
\ifx\ifarticle\undefined\expandafter\@tempa\fi%
\ifx\@seminarerr\undefined\else\ifarticle\else%
\let\@soORI\shipout%
\def\shipout#1#2{\def\@tempa{slide}\def\@tempb{slide*}%
{\ifx\@tempa\@currenvir\let\protect\noexpand%
\else\ifx\@tempb\@currenvir\let\protect\noexpand\fi%
\fi%
\@soORI#1#2}%
\global\let\shipout\@soORI% just one time mod.
}%
\fi\fi% \@seminarerr
% The new \hyphenation macro is used first at language.dat loading for frhyphex
\let\h@yphenation\hyphenation% save original \hyphenation
\long\def\f@hyphenation#1{\bgroup%
\let\par\space% For \h@yphenation.

```

```

\def\{-{ }% Stops compound words.
\let\allowhyphens\undefined% but not \allowhyphens.
\csname accenthyphcodes\endcsname%
\lowercase{\edef\@tempa{#1}}%
\h@yphenation{\@tempa}\egroup}%

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

% French Lite defs:
\ifx\nombre\undefined\DeclareRobustCommand*{\nombre}{\@nombre}\fi%
\ifx\WindowsUnits\undefined%..... \WindowsUnits
\def\WindowsUnits{\@wu}\fi%
%
\def\@ifo{% \GO french 1st part: options to be defined at \begin{document}
\def\kbIO{\bgroup% redefined at \begin{document}
\ifECM\fontencoding{OT1}\selectfont\fi% Basic fontencoding needed.
\ifx\nofrenchtypography\@noBDfr\else\expandafter%
\nofrenchtypography\fi% To apply only after \begin{document}.
\let\@nobraces\@firstofone% could be provided separately,
\let\protect\string%
\ifEightBitOutput% eg by kbconfig.
\def\'####1{\expandafter\@nobraces\@aiguORI####1}%
\def\'####1{\expandafter\@nobraces\@gravORI####1}%
\def\^####1{\expandafter\@nobraces\@acchORI####1}%
\def\"####1{\expandafter\@nobraces\@tremORI####1}%
\def\c####1{\expandafter\@nobraces\@cediORI####1}%
\csname @kbspecials\endcsname% Translation settings.
\else% 7-bit output wanted.
\let\add@accent\@gobble%
\def\set@display@protect{\let\protect\noexpand}% Have spaces!
\fi%
\@kbtypeout}%
\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\let\lowercase\lowercase\fi%
    \@ifundefined{allowhyphens}{% ..... \allowhyphens
        \def\allowhyphens{\ifhmode\nobreak\hskip\z@skip\fi}}{}%
%       % There is no need to change here left&right hyphenmin counts
%       % but other languages might have changed default values
    \@ifundefined{lefthyphenmin}{%
        {\lefthyphenmin=2\righthyphenmin=3}% disallow x- or -xx breaks
        \@whatUCH% set Upper Case Hyphenation whatsit
        \def\@tempa####1{{\accenthyphcodes\h@yphenation{####1}}}%
        \ifx\@tempa\hyphenation%
            \@fw{-41- your format is out of date, %
                please run initex again!}\stop%
        \fi%
        \def\accenthyphcodes{% Use fontencoding just
            \let\@typeset@protect\protect% in a
            \ifx\protect\noexpand\else% typesetting process.
                \ifECM\else\fontencoding{T1}%
                \let\pickup@font\@gobble%
                \let\size@update\relax\selectfont%
            \fi\fi}%
        \let\hyphenation\f@hyphenation%
        \def\showhyphens####1{\bgroup%
            \csname accenthyphcodes\endcsname%
            \protected@edef\@tempa{####1}%
            \s@owhyphens{\@tempa}\egroup}%
        \fi}%\ifFH
\def\nofrenchhyphenation{%
    \ifFH\FHfalse%.....\nofrenchhyphenation
    \lccode \'=0%
    \let\hyphenation\h@yphenation% restore original \hyphenation
    \let\showhyphens\s@owhyphens%
    \ifx\lowercaseORI\undefined\else\let\lowercase\lowercaseORI\fi%
    \@ifundefined{lefthyphenmin}{%
        {\lefthyphenmin=2\righthyphenmin=3}% disallow x- or -xx breaks
        \uchyph=\@uchORI%reset original hyph. on words starting with capitals
    \fi}%
%#<
\edef\originalmathcomma%..... \originalmathcomma
    {\noexpand\mathcode',=\the\mathcode',}%
%#>
\@tempcnta=\the\mathcode',\@tempcntb=\the\mathcode',%
\divide\@tempcnta by 4096\relax% On récupère la classe (demi octet poids fort)
\multiply\@tempcnta by -4096\relax% en éliminant les poids faibles.
\advance\@tempcntb by \@tempcnta% On garde le restant de poids faible.
\edef\@tempb{\noexpand\mathcode',=\the\@tempcntb}% French is usually "013B.
\advance\@tempcntb by 24576\relax%
\edef\@tempa{\noexpand\mathcode',=\the\@tempcntb}% Regular is usually "613B.
% Regular LaTeX math code for comma is usually "613B (ie 24891).
\edef\regularmathcomma{%..... \regularmathcomma
    \noexpand\def\noexpand\@mathcomma{\@tempa}%
    \noexpand\@mathcomma}%

```

```

\def\@tempa{\if\space\next\else\mathord\fi\mathcomma}%
\let\ifFTY\iftrue% For the following definitions:
\ifx\@tempa\sm@rtcomma% In case icomma is in force we use:
\def\frenchmathcomma{%..... \frenchmathcomma
\def\@mathcomma{\ifFTY\mathcode'\,="8000\fi}%
\@mathcomma}%
\else% otherwise:
\edef\frenchmathcomma{% French math code for comma is usually "013B (ie 315).
\noexpand\def\noexpand\@mathcomma%
{\noexpand\ifFTY\@tempb\noexpand\fi}%
\noexpand\@mathcomma}%
\fi%
\frenchmathcomma% Is the default for french.
\def\ifFTY{\ErrFrench}%
%
\def\nofrenchttypography{%.....\nofrenchttypography
\let\ifFTY\iffalse%
% Reset OT1 definition of \textbackslash to undefined.
\expandafter\let\csname OT1\string\textbackslash \endcsname\undefined%
\nofrenchguillemets% resetting
\sloppy% may extend line past the right hand
\nonfrenchspacing%
\regularmathcomma%
}%
\def\frenchttypography{%.....\frenchttypography
\let\ifFTY\iftrue%
% Add OT1 definition of \textbackslash, missing inside \LaTeX.
\expandafter\let\csname OT1\string\textbackslash \endcsname\@boiORI%
\let\ifLPA\iffalse% default is clean...
\typespaces%
%#<
\nowrongtypedspaces%
\notabbingaccents% useless with ECM
\englishquote\englishdoublequotes%
\nolabelsinmargin%
\frenchguillemets%
\normalbrackets\todayguillemets%
\guillemetsinroman\guillemetsinarrays%
%#>
\edef\@tempa{\the\vfuZZ}% AmS may have changed \vfuzz
\fussy% must not extend line past the right hand
\vfuzz=\@tempa% and should not change \vfuzz
\frenchspacing%
\frenchmathcomma%
%
\nooverfullhboxmark% std LaTeX default not plain
}%
\def\nofrenchtranslation{%
\let\ifFTR\iffalse\@cORI}%.....\nofrenchtranslation
\def\frenchtranslation{%
\let\ifFTR\iftrue\captionsfrench}%....\frenchtranslation
\let\nofrenchguillemets\relax% Should be relax for french light.
%#<
\def\frenchguillemets{%
\let\ifFG\iftrue%..... \frenchguillemets
\let\guillemets\@LG%
\let\endguillemets\RG@%
\let\guillemotleft\@guillemets%
\let\guillemotright\endf@guillemets%
\AFPinfsup}%
\def\nofrenchguillemets{%

```

```

\let\ifFG\iffalse%..... \nofrenchguillemets
\let\guillemotleft\@gotl%
\let\guillemotright\@gotr%
\let\guillemets\f@guillemets%
\let\endguillemets\endf@guillemets%
\DFPinfsup}%
\def\noeveryparguillemets{\let\ifEPG\iffalse%.....\noeveryparguillemets
\@desarm\let\@desarm\relax% release memory
\def\guillemets{%\leavevmode\unskip%
\@fw{-53- environnement guillemets %
inutilisable avec l'option %
\string\noeveryparguillemets}%
\bgroup\bgroup%
\def\guillemets{\bgroup%
\let\endguillemets\egroup}}%
}%
\def\everyparguillemets{\let\ifEPGR\iffalse%..... \everyparguillemets
\let\ifEPG\iftrue%
\let\guillemets\@LG%
\let\endguillemets\RG@%
}%
\def\everyparguillemetsremoved{%
\let\ifEPGR\iftrue}%..... \everyparguillemetsremoved
%#>
\def\@tempa{\global\let\ifCLA\iffalse}% If not already set, no defaultly
\ifx\ifCLA\undefined\expandafter\@tempa\fi% constant language layout.
\def\ConstantLayout{\global\let\ifCLA\iftrue%.....\ConstantLayout
\expandafter\let\csname ifCLA\language\endcsname\iftrue%
\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%
\let<=\inferieura\let>=\superieura% define them for french light.
\def\@Fstr{\def<{\@LSG}\def>{\@RSG}\def'\{\@SLQ}\def'\{\@SRQ}%
\let\dGs\empty}% Nullify any \dGs macro from keyboard.sty.
\let\@s@ORI\special%..... \special
% done in \GOfrench:
%\def\special#1{\@ifFTYfalse\bgroup\@Fstr\@s@ORI{#1}\egroup\@ifFTYback}%
% \newcount, \newdimen, \newbox were \outer defs in plain.
\def\newcount{\alloc@0\count\countdef\insc@unt}%..... \newcount
\def\newdimen{\alloc@1\dimen\dimendef\insc@unt}%..... \newdimen
\def\newbox{\alloc@4\box\chardef\insc@unt}%..... \newbox
%
%..... Modified package's & LaTeX macros
%
% Those defs which need to be set at \begin{document} are delayed.
% Take in account the varioref package if present:
\let\ifFTY\iffalse% Temporary definition.
\ifx\vref\undefined\else% As \@ifpackageloaded is forbidden at
\@ifpackageloaded{varioref}{\def\@vrfCode{% \begin{document}, test it now.
\@gG{vr}{vref}{/}{1}%..... \vref
\@gG{vpr}{vpageref}{1}{1}%..... \vpageref
\@gG{vpr}{vpagerefrange}{1}{2}%..... \vpagerefrange
\def\reftextpagerange##1##2{%..... \reftextpagerange
pages~\pageref{##1}\ifFTY -\else --\fi\pageref{##2}}}%
}}%
\fi%
\def\ifFTY{\ErrFrench}% Reset original value.
%
\def\GOfrench{% this is the code to initiate the French style
\def\special##1{\@ifFTYfalse\bgroup\@Fstr\@s@ORI{##1}%
\egroup\@ifFTYback}%
\let\@noBDfr\relax% release french options/commands now
{\catcode\lq<=\active\ifx<\undefined\else\global%
\let\@mLSG<\global%
\def\@LSG{\ifmmode\@mLSG\else\inferieura\fi}\fi}%
{\catcode\lq>=\active\ifx>\undefined\else\global%
\let\@mRSG>\global%
\def\@RSG{\ifmmode\@mRSG\else\superieura\fi}\fi}%
\if@PMF\def\pmfrench{}\def\noeveryparguillemets{}\def\@stared{}%
\def\@desarm{}\def\@qqquotes{}\def\@staring{}\def\@fniv2{}\fi%
\@ifundefined{smaller}{\def\sm@ller{\small}% ... you can use ...[smaller.sty]
\def\l@rger{\large}}%
{\ifx\undefined\sm@ller% ... you can use ...[relsize.sty]
\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 \frenchname\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
\begingroup%
\parindent \z@ \rightskip \@pnumwidth \parfillskip -\@pnumwidth%
\bfseries \leavevmode \advance\leftskip\@tempdima \hskip -\leftskip%
####1\nobreak\hfil \nobreak\hbox to\@pnumwidth{\hss ####2}\par%
\penalty\@highpenalty%
\endgroup}}%
\ifx\RIfM@\undefined\@tempa% use l@chapter
\else% % even with AMS styles
\ifx\fr@RIfM@cls\undefined\@tempa
\fi% but not for AMS classes
\fi}{}% undefined in article.sty
% Due to resetting of chapter counter at part change we have to better
\@ifundefined{theHchapter}{}% qualify the chapter anchor names.
{\renewcommand{\theHchapter}{\arabic{part}.\arabic{chapter}}}%
%
% General code for generating replacement macros for \cite \nocite etc.
% \@gG{a string "s" for letting \@s"@ORI as the original macro}
% {original macro name -without backslash}
% {string "/" if original macro had no [optional arg] otherwise empty}
% "1" if original macro has one req. [o.p. arg 1]
% "2" if original macro has two req. [o.p.1][o.p.2]
% "/"if no optional arg but more than one required arg:
% {number of required args} % default is 1, maximum is 3.
\def\@gG##1##2##3##4{%
\def\@temp@{\expandafter\let\csname @##1@ORI\endcsname=}%
\expandafter\@temp@\csname ##2\endcsname%
\if##3\empty%
\if2##4%
\expandafter\def\csname ##2\endcsname####1####2%
{\protect\atgG{##1}{\####1}{\####2}}}%
\else%
\if3##4%
\expandafter\def\csname ##2\endcsname####1####2####3%
{\protect\atgG{##1}{\####1}{\####2}{\####3}}}%

```

```

\else%
\expandafter\def\csname ##2\endcsname####1%
\protect\atgG{##1}{####1}}}%
\fi%
\fi%
\else% Case of just one required argument, check optional args:
\if/##3\expandafter\def\csname ##2\endcsname{\protect\atgH{##1}}%
\else%
\if2##4\expandafter\def\csname ##2\endcsname{\protect\atgN{##1}}%
\else\expandafter\def\csname ##2\endcsname{\protect\atgM{##1}}%
\fi%
\fi%
\fi}%
\def\atgG##1##2{\bgroup\ifFTYfalse\@Fstr%
\expandafter\csname @##1@ORI\endcsname##2\egroup}%
\def\atgH##1##2{\bgroup\ifFTYfalse\@Fstr%
\expandafter\csname @##1@ORI\endcsname{##2}\egroup}%
\def\atgM##1{\@ifNextNB[{\@gM@@{##1}}{\@gM@@{##1}[\empty]}]emacs}%
\def\atgN##1{\@ifNextNB[{\@gM@@@{##1}}{\@gM@@@{##1}[\empty]}]emacs}%
\def\@gM@@##1[##2]##3{\@gM@@@{##1}[##2]{##3}{}}%
\def\@gM@@@##1[##2]##3##4{\bgroup\ifFTYfalse\@Fstr%
\edef\@temp@{\noexpand\@gG@{##3}{##4}}\egroup%
\protected@edef\@gG@{##2}%
\ifx\@gG@\empty\else\protected@edef\@gG@{[##2]}\fi%
\let\@typeset@protect\protect%
\protected@edef\@temp@{\noexpand\expandafter%
\noexpand\expandafter%
\noexpand\csname @##1@ORI\noexpand\endcsname%
\@temp@}\@temp@}%
% Nullify Babel mechanism which doesn't run correctly in its current version
\ifx\babel@sanitize@arg\undefined\else%
\def\babel@sanitize@arg##1{##1}%
\wlog{\frenchname\string: use of the babel package force me to nullify %
\noexpand\babel@sanitize@arg.}%
\fi%
\ifx\ifthenelse\undefined\else\let\@iTeORI\ifthenelse%
\long\def\ifthenelse##1##2##3{\@ifFTYfalse\@iTeORI{##1}{##2}{##3}\@ifFTYback}%
\fi%
\ifx\texttt\undefined\else\@gG{xt}{texttt}{/}{1}\fi%..... \texttt
\ifx\hyperbaseurl\undefined\else\@gG{hl}{hyperbaseurl}{/}{1}\fi%. \hyperbaseurl
\ifx\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}%
% the following doesn't seem to be usefull
%\let\@Ntd\NAT@testdef\let\@lbi\@lbibitem%
% \def\NAT@testdef##1##2{\@ifFTYfalse\bgroup\@Fstr%
% \@Ntd{##1}{##2}\egroup\@ifFTYback}%
% \def\@lbibitem[##1]##2{\@ifFTYfalse\bgroup\@Fstr%
% \@lbi[##1]{##2}\egroup\@ifFTYback}%
\fi%

```

```

\ifx\nocite\undefined\else\@gG{nc}{nocite}{/}{1}\fi%..... \nocite
% As \bibcite has not originally any argument the following definition
% is remove and \@newl@bel is introduced in replacement of \newlabel.
\ifx\bibcite\undefined\else\@gG{bc}{bibcite}{1}{1}\fi%..... \bibcite
\ifx\backcite\undefined\else\@gG{bk}{backcite}{/}{2}\fi%..... \backcite
\ifx\bibitem\undefined\else\let\@biORI\bibitem% ..... \bibitem
\def\@LiN{\let\@sogORI<\let\@sfgORI>\let\@lqORI'\let\@rqORI'\let\@dqORI"%
\@Fstr\@ifFTYfalse}%
\def\@LiB{\let<\@sogORI\let>\@sfgORI\let'\@lqORI\let'\@rqORI%
\@ifFTYback}%
\def\bibitem{\@LiN\@ifNextNB[{\@bi@cb}{\@bi@ca}%]emacs
}%
\def\@bi@ca##1{\@biORI{##1}\@LiB}%
\def\@bi@cb[##1]##2{\@biORI[##1]{##2}\@LiB}%
\fi%
% Take in account varioref package if present at \begin{document}:
\ifx\vref\undefined\else% Nullify \@vrfCode if varioref is
\ifx\reftextvario\undefined\let\@vrfCode\undefined% now loaded.
\fi\fi%
%
\ifx\ref\undefined\else\@gG{r}{ref}{/}{1}\fi%..... \ref
\ifx>tag\undefined\else\@gG{t}{tag}{/}{1}\fi%..... \tag
\ifx\pageref\undefined\else\let\pageref@ORI\pageref%
\let\f@pageref\pageref\@gG{fpr}{f@pageref}{/}{1}%
\def\pageref{\ifFTY\expandafter\f@pageref\else%.....\pageref
\expandafter\pageref@ORI\fi}%
\fi%
\csname @vrfCode\endcsname% load mods for varioref package \vref, \vpageref
\xdef\@lim{}\let\ifMOVING\iffalse%
% The label for the subfigure package ..... \sf@sub@label
\ifx\sf@sub@label\undefined\else\@gG{ss}{sf@sub@label}{/}{1}\fi%
% Set code for labels in margin.
\def\@temp@{%
\def\label{\protect\@Label}% needed to be protected for \thanks
\def\@Label####1{\@ifFTYfalse\if@labelsinmargin\ifMOVING%
\xdef\@lim{\ifx\@lim\empty\else\@lim\@par\relax\fi[####1]}%
\gdef\@lim@{\@ifFTYfalse\hbadness=\@M\tt\@lim\@ifFTYback}%
\else\marginpar{%
\@ifFTYfalse\hbadness=\@M\tt[####1]\@ifFTYback}\fi\fi%
% how suppress Overful \hbox here?
\bgroup\@Fstr\@lORI{####1}\egroup\@ifFTYback}%
}%
\ifx\fr@RIfM@cls\undefined\else% isolate maketitle action with AmS classes.
\let\@mtORI\maketitle% ..... \maketitle
\def\maketitle{{\@mtORI}}% avoid removing of keywords environment.
\fi%
\ifx\label\undefined\else\let\@lORI\label%..... \label
\@temp@% new def apply
\let\ltx@label\label% for amsmath.sty
\fi%
%instead this coding, active chars in \label must be protected inside a \thanks
% As the internal macro of \newlabel is \@newl@bel #1 the following
% definition of \newlabel is removed and replace by \@newl@bel.
\ifx\newlabel\undefined\else\@gG{nl}{newlabel}{/}{1}\fi%..... \newlabel
\ifx\@newl@bel\undefined\else\@gG{nl}{\@newl@bel}{/}{3}\fi%..... \@newl@bel
\def\@temp@{%
\let\@aclORI\addcontentsline%..... \addcontentsline
\global\let\ifCG\iftrue% Nullify if-guillemets on a new sectioning
\def\addcontentsline####1####2####3{\@ifFTYfalse\bgroup\@Fstr%
\@aclORI{####1}{####2}{####3}\egroup\@ifFTYback}%

```

```

}%
\@ifundefined{addcontentsline}{\gdef\addcontentsline##1##2##3{}}% dummy def
{\@temp@}%
\let\ifFrench\iffalse% let it be known now
\def\@temp@{%
  \def\index{\bgroup\ifFrench\@DFP\fi% Is further redefined
    \expandafter\egroup\@iORI}% inside \footnote.
}%
\ifx\index\undefined\else\let\@iORI\index%..... \index
  \@temp@% new def apply
\fi%
%
\ifx\list\undefined\else% Mods to keep track
  \let\@liORI\list\fi% that we are in a list environment..... \list
  \let\@topsepORI\topsep% ans save original vertical
  \let\@partopsepORI\partopsep% spaces
  \let\@itemsepORI\itemsep% so that we could warn when
  \let\@parsepORI\parsep% user try to change them.
\def\warn@seps{\def\topsep{\@w@s{\topsep}\@topsepORI}%
  \def\partopsep{\@w@s{\partopsep}\@partopsepORI}%
  \def\itemsep{\@w@s{\itemsep}\@itemsepORI}%
  \def\parsep{\@w@s{\parsep}\@parsepORI}%
  \def\@tempa{verse}\def\@tempb{quotation}%
  \ifx\@tempa\@currenvir\let\@w@s\@gobble\else%
    \ifx\@tempb\@currenvir\let\@w@s\@gobble\fi%
  \fi%
}%
\def\@w@s##1{\ifFTSW\@fw{-58- valeur de \string##1 ignor\'ee%
%
  dans l\string\'environnement \@currenvir%
  }\fi}%
\def\org@seps{\let\topsep\@topsepORI%
  \let\partopsep\@partopsepORI%
  \let\itemsep\@itemsepORI%
  \let\parsep\@parsepORI%
}%
\def\list##1##2{\def\@inAlist{ }\@liORI{##1}{%
  \ifx\@trivlist\@tlori\else\warn@seps\fi%
  ##2\org@seps}}%
\ifx\@makecaption\undefined\else\let\@mcORI\@makecaption\fi%.... \@makecaption
%
\def\captionseparator{---}%..... \captionseparator
\ifx\captionfont\undefined% ..... \captionfont
  \let\captionfont\emph% Std is italics.
\else\let\@cfORI\captionfont% Might be Caption2, thus
  \def\captionlabelfont{\upshape}% set defaults.
  \def\captionfont{\itshape\@cfORI}%
  \ifx\captionlabeldelim\undefined\else% Use Caption2 delimiter cs
    \let\captionlabeldelim\captionseparator% if any, and set our
    \let\captionseparator\empty% default value.
  \fi%
\fi%
\fi%
\def\@makecaption##1##2{\ifFTY%
%
  \def\@firstofmany####1####2\void{####1}%
%
  \edef\@tempa{\@firstofmany##2\void}\expandafter%
%
  \ifx\@tempa\ignorespaces%
    \def\@secondofmany####1####2\void{####2}%
    \def\@tempa{\@secondofmany##2\void}%
    \ifx\@tempa\empty%
      \let\captionseparator\empty%
    \fi%
  \fi%

```

```

        \@mcORI{##1}{\relax% for AmSLaTeX V1.2 96/11
            \captionfont{##2}}}%
        \else\@mcORI{##1}{##2}\fi}%

%
%Leslie claims that "The footnotemarker is regarded as having zero width, which
%is appropriate when it comes at the end of line"(p164) <== not a French habit.
\def\@temp@{%
    \def\thanks####1{\global\let\@makefntext\fr@makefntext%..... \thanks
    \bgroup%
    \ifFTY\ifhmode\ifdim\lastskip>\z@\unskip\fi\nobreak\fi%
    \def\@footnotemark{\hbox{\@textsuperscript{\normalfont\,\@thefnmark}}}%
    \fi\let\ifFTY\iffalse\@thORI{####1}%
    \egroup}%
    }%
\ifx\thanks\undefined\else\let\@thORI\thanks\@temp@\fi%
\let\ifFTY\iffalse% temp def for next processing
\ifx\@makefnmark\undefined\else\let\@mfntORI\@makefnmark%..... \@makefnmark
\def\@makefnmark{\ifFTY\hbox{\@textsuperscript{\normalfont%
    \ifx\thefootnote\relax\else\,\fi%
    \@thefnmark}}}%
    \else\@mfntORI\fi}%
\fi%
\def\@temp@{\long\def\fr@makefntext####1{% footline starts here %
    \bgroup%
    \ifFTY\def\@tempa{footnote}\let\@tfnORI\@thefnmark%
    \ifx\@tempa\@mpfn%do it only for page footnotes not minipages ones
    \def\@thefnmark{% marker under the footline, no more in superscript.
        % two grouping levels in pure 2e.
        \egroup\egroup% no point when no marker
        \long\def\@tempa{\fnsymbol{footnote}}%
        \ifx\@tempa\thefootnote% When using symbols put them
        \expandafter\raise+0.55ex% higher (cf Lexique IN p. 33)
        \fi% \thefootnote
        \hbox\bgroup\textnormal\bgroup%
        \def\@temp@{%
\ifx\fr@RIfM@cls\undefined% Remove space when \thanks and AmS classes.
\ifx\thanks\relax\else\kern-1.1\parindent\fi% .1 should be explained.
\else
    \kern-\parindent% otherwise remove superfluous spacing.
\fi%
%@\ifnextchar\relax{\def\@temp@{\,\,}}% Preferred:
        \ifnextchar\relax{\def\@temp@{\hphantom{.}\kern+0.25em}}%
        {\def\@temp@{.\kern+0.25em}}}%
        }%
        \expandafter\@temp@\@tfnORI\@temp@%
        }%
        \leavevmode\kern+0.5em% add some spacing for at least 3 digits
        \else\def\@thefnmark{\@tfnORI\,}\fi% add thin space in mpfootmarks
        \fi\@mfntORI{####1}\egroup}% \@makefntext
        }%
        \let\@mfntORI\@makefntext\@temp@%
        \let\@makefntext\fr@makefntext%..... \@makefntext
\def\ifFTY{\ErrFrench}%
\let\@fntORI\@footnotetext% nullify marginpar in ..... \@footnotetext
\long\def\@footnotetext##1{\bgroup\let\if@labelsinmargin\iffalse%
    \@fntORI{##1}\egroup}%
% Why \footnote doesn't \unskip the previous space?
% Allow hyphenation too with \nobreak (as suggested by Bernd Raichle)
\let\@fntORI\footnote%..... \footnote
\def\footnote{\bgroup\def\index####1{\ifFTYfalse\@iORI{####1}\@ifFTYback}%
    \ifFTY\ifhmode\ifdim\lastskip>\z@\unskip\fi%

```

```

\ nobreak\fi\fi%
\ifmmode\let\@fnORI\fr@footnote\fi%
\@ifNextNB[% ] for balancing
\@Footnote\@Fntnorm}%
\long\def\@Footnote[##1]##2{\@fnORI[##1]{##2}%
\egroup\@ifNextNBC\footnote\refmark\@Fntcoma{}}%
\long\def\@Fntnorm##1{\@fnORI{##1}%
\egroup\@ifNextNBC\footnote\refmark\@Fntcoma{}}%
\def\@Fntcoma{\ifFLA\@textsuperscript{,}\nobreak\fi}%
\def\@Fxfloat##1[##2]{\@xfORI{##1}[##2]\csize @Fend\@currentvir\endcsize}%
\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\@t@blescaption}% footnote will be only
\let\mboxORI\mbox% save \mbox definition.
\def\mbox##1{\leavevmode\hbox{\protect\@set@fr@fn@##1}}%..... \mbox
\def\@set@fr@fn@{\ifFrench\let\footnote\fr@footnote\fi}% Footnote's text lost
\def\fr@footnote{\@ifNextNB[\fr@fn@{\fr@fn@[]}]% in
\def\fr@fn@[##1]##2{\footnotemark% tables caption or in
\@fw{-8- \string\footnotetext{##2} perdu}% \mbox
\@fw{-8- Coder \'event. \string\protect\string\footnote}%
}%
\def\@t@blescaption[##1]##2{\let\cur@fn\footnote% footnote mark in tables
\let\footnote\fr@footnote% caption and text
\@cnORI[##1]{##2}\let\footnote\cur@fn}% will be lost.
\def\@temp@{%
\let\@tbeORI\table% footnotes made like in minipages ..... \table
\def\table{\let\ifMOVING\iftrue%
\let\if@minipage\iftrue%
\ifFLA\beginngroup%
\def\@mpfn{mpfootnote}%
\def\thempfn{\thempfootnote}\c@mpfootnote\z@%
\ifx\@c@type\undefined\def\@c@type{table}\fi% for ams classes
\let\caption\@tablescaption% allow page footnote in \caption
\let\@footnotetext\@mpfootnotetext\fi%
\ifx\@xfORI\undefined%
\let\@xfORI\@xfloat\let\@xfloat\@Fxfloat%
\fi%
\@tbeORI}%
\expandafter\let%
\expandafter\@dbtbeORI\csize table*\endcsize% ..... \table*
\expandafter\def\csize table*\endcsize{\let\ifMOVING\iftrue%
\let\if@minipage\iftrue%
\ifFLA\beginngroup%
\def\@mpfn{mpfootnote}%
\def\thempfn{\thempfootnote}\c@mpfootnote\z@%
\ifx\@c@type\undefined\def\@c@type{table}\fi% for amsbook

```

```

\let\caption\@tablescaption% allow page footnote in \caption
\let\@footnotetext\@mpfootnotetext\fi%
\ifx\@xfORI\undefined%
    \let\@xfORI\@xfloat\let\@xfloat\@Fxfloat%
\fi%
\@dbtbeORI}%
}%
\ifx\table\undefined\let\@temp@\relax\fi\@temp@%
\def\@Fendtable{%
    \let\@etORI\endtable%..... \endtable
\def\endtable{\ifFLA\par%
    \vskip-\lastskip% make footnotes here
    \ifvoid\@mpfootins\else\vskip\skip\@mpfootins%
    \footnoterule\unvbox\@mpfootins\fi%
    \fi\@etORI\ifFLA\endgroup\fi%
    \ifx\@lim\empty\else\marginpar{\@lim@}%
    \xdef\@lim{}\fi\let\ifMOVING\iffalse}%
}%
\expandafter\ifx\csname endtable*\endcsname\relax%
\expandafter\let\csname endtable*\endcsname\endgroup\fi% for ams classes
\expandafter\def\csname @Fendtable*\endcsname{%
\expandafter\let%
\expandafter\@dbetORI\csname endtable*\endcsname%..... \endtable*
\expandafter\def%
\csname endtable*\endcsname{\ifFLA\par%
    \vskip-\lastskip% make footnotes here
    \ifvoid\@mpfootins\else\vskip\skip\@mpfootins%
    \footnoterule\unvbox\@mpfootins\fi%
    \fi\@dbetORI\ifFLA\endgroup\fi%
    \ifx\@lim\empty\else\marginpar{\@lim@}%
    \xdef\@lim{}\fi\let\ifMOVING\iffalse}%
}%
\ifx\endtable\undefined\let\@Fendtable\relax\fi%
\def\@temp@{\def\endtable{\ifFLA\endgroup% \endtable may be \relax
\expandafter\let\csname endtable*\endcsname\endtable%as in endfloat
\fi}%
}%
\ifx\endtable\relax\@temp@\fi% is also used in frenchll for testing purpose
%#<
\def\drapaeaufg{\ifFLA%..... \drapaeaufg
    \raggedright\hbadness=6000%
    \rightskip=0.3em plus 0.75em\hfuzz=0.4em\relax%
    \let\enddrapaeaufg\par\fi}%
\def\drapaeaufgIN{\ifFLA%...../..... \drapaeaufgIN
    \raggedright\hbadness=6000%
    \rightskip=0.3em plus 0.75em\hfuzz=6em%
    \lefthyphenmin=12\righthyphenmin=10\relax%
    \let\enddrapaeaufgIN\par\fi}%
\def\drapaeaufd{\ifFLA\raggedleft%..... \drapaeaufd
    \let\enddrapaeaufd\par\fi}%
\def\drapaeaufdIN{\ifFLA%..... \drapaeaufdIN
    \raggedleft\hfuzz=6em%
    \lefthyphenmin=12\righthyphenmin=10\relax%
    \let\enddrapaeaufdIN\par\fi}%
%#>
\ifx\undefined\Hy@PDFDef\let\Hy@PDFDef\pdfstringdef\fi% ..... \pdfstringdef
\ifx\undefined\Hy@PDFDef\else% For the old hyperref package.
    \let\@hpdORI\Hy@PDFDef%
    \def\Hy@PDFDef##1##2{\@ifFTYfalse\afterassignment%
        \@Fstr\@hpdORI{##1}{##2}\@ifFTYback}%

```

```

\fi%
\ifx\pdfstringdef\undefined\else\let\pdfstringdef\Hy@PDFDef\fi%
% continuing definition of \GOfrench
    \let\@lti\labelitemi\let\@ltii\labelitemii%
    \let\@ltiii\labelitemiii\let\@ltiv\labelitemiv%
    \@ifo% define French options, GOfrench part 1
    \let\@ifo\undefined% now release memory
    \@doFh% process language.dat, GOfrench part 2
    \let\@doFh\undefined% release memory
    \let\hyphex\undefined\let\frhyphex\undefined%
    \let\@temp@\undefined%
    \let\ifFTY\iffalse\let\ifFTR\iffalse% if begin language isnt
    \let\ifFLA\iffalse\let\ifFMA\iffalse\let\ifFH\iffalse% french
% Get original \everypar control command but not hebrew macro.
\def\@tempa##1{\o@everypar{\rl@everypar##1}}%
\ifx\@tempa\everypar\let\TeXeverypar\o@everypar%
\else\let\TeXeverypar=\everypar%
\fi%
%
% As eTeX is bugged (no respect of \csname beginL\endcsname=\relax when
% TeX--XeT option disabled), Philip Taylor suggested the following code
% to replace the test about \beginL:
%
    %\ifx\beginL\undefined\else%
    \ifx \TeXXeTstate \undefined%
        \edef \next {\ifx \beginL \undefined 00\else 01\fi}%
    \else%
        \edef \next {\ifnum \TeXXeTstate = 0 00\else 01\fi}%
    \fi%
    \if \next\let\beginL\relax\let\beginR\relax% patch eTeX.
    \else%
% assume Left to right for *the* document if TeX--XeT.
        \edef\@fepORI{{\the\TeXeverypar}}%
        \def\@SetBFWdirection{\csname begin%
            \beginFWDirection\endcsname}%
        \TeXeverypar={\@SetBFWdirection%
            \let\@SetBFWdirection\relax%
            {\let\@nodocument\relax% In case hebrew.
            \@fepORI}}}%
    \fi%
    \let\ErrFrench\@Ffnt\def\@Ffnt##1{}%
% insure files integrity
\ifx\undefined\babel@core@loaded% already done for Babel in .ldf
\protected@write\@auxout{}\{\protect%
\csname auxWARNINGi\protect\endcsname{\protect\typeout%
    {-34- this file and other auxiliary files require to %
    use the following}}}%
\protected@write\@auxout{}\{\protect%
\csname auxWARNINGi\protect\endcsname{\protect\typeout%
    {-34- LaTeX packages: \frenchname!}}}%
\protected@write\@auxout{}\{\protect%
\csname auxWARNINGi\protect\endcsname{\protect\typeout%
    {-34- check \protect\protect\protect\usepackage%
    \protect\space or remove these files.%
    Typesetting is aborted!}}%
\protect\stop}}}%
%\let\auxWARNINGi=\@gobble% set in the preamble
\fi%
% patch inclusion:
\@fininput{frpatch.sty}%
\ifx\FSfd@patch\FSfd\else

```

```

\@fw{-42- The French patch file (frpatch.sty) is not suitable^^J%
for this version of the "french" package dated \FSfd}\batchmode\@@end%
\fi%

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

%%
\let\@dORI\document%..... \begin{document}
\def\document{% \slidesonly of seminar must not gobble me!
\ifx\noxcomment\undefined\else%
\global\let\@x@hk\xcomment@hook\global\noxcomment\fi%
\@dORI% execute original \document
\GOfrench% now initiate the style
\let\GOfrench\undefined% release memory
\ifx\noxcomment\undefined\else\let\xcomment@hook\@x@hk%
\expandafter\xcomment@hook\fi}%

% now reset < ' ' > as other chars
\@makeother'\@makeother<\@makeother>\@makeother'%
% ReRead of aux file at \end{document} may create problems.
% As French things are already applied, so it's unuseful after \end{document}
\let\enddocumentasusual\enddocument%..... \enddocument
\def\enddocument{\def\@tempa{\AtEndDocument{\french\clearpage%
\global\let\ifCLA\iffalse% No more page, thus no layout.
\let\ifCLAfrench\iffalse% Output last page in french.
\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%
\def\@tempa{empty}\ifx\@specialstyle\@tempa%
\else\gdef\@specialstyle{french}\fi%
\fi%
\let\GOfrench\relax% Stop to generate \beginL.
\switchtolanguage\englishTeXmods%
% Redef of \newl@bel due to Babel \select@language
\ifx\undefined\babel@core@loaded\else% i.e. \@testdef:
\ifx\@testdef\undefined\else% ..... \newlabel
\@gG{<td>}{<testdef>}{//}{3}\fi%..... \@testdef
\fi%
% Let few stuff expand in \edef for TeX4ht.
\ifx\ConfigureToc\undefined\else%
\let\@ifFTYfalse\relax\let\@ifFTYback\relax%
\@Fstr\let\@Fstr\relax%

\fi%

\enddocumentasusual%
}%

\let\@whatUCH\relax% \@whatUCH is \relax with french light.
%#<
%
% =====
% | Hyphenation |
% =====
%
% Allow or not hyphenation of words starting with a capital letter
\def\allowfulluchyph{\@noBDfr%
\uchyph=1\let\@whatUCH\allowfulluchyph.. \allowfulluchyph
\let\@uchbox\empty}%

```

```

\def\allowuchyph{\@noBDfr%
    \uchyph=1\let\@whatUCH\allowuchyph%..... \allowuchyph
    \let\@uchbox\hbox}%
\def\disallowuchyph{\@noBDfr%
    \uchyph=-1%..... \disallowuchyph
    \let\@whatUCH\disallowuchyph\let\@uchbox\hbox}%
\def\notthyphenation{\@noBDfr%
    {\tt\hyphenchar\font=-1}%.....\notthyphenation
    \let\ifTTH\iffalse}%
\def\tthyphenation{\@noBDfr%
    {\tt\hyphenchar\font=-}%..... \tthyphenation
    \let\ifTTH\iftrue}%
\let\@whatUCH\allowuchyph% is normaly the TeX default
\let\ifTTH\iffalse% we presume that there no tt hyph. by default
\let\ifFH\iffalse%we assume we start with no French hyphenation (wrong!)
%
% A macro asking to load a language specific exceptions file.
% Argument provides the language name. File name is in language.dat
\def\hyphex#1{% available before \begin{document}
    \if#1\empty%..... (\hyphex)
    \else% a general macro for other languages
    \edef\@excn{#1}\fi%
    \let\if@FE\iftrue}% \hyphex{} before begin document will
%
% load exceptions files
\def\frhyphex{% available before \begin{document}
    \if@PMF\else\hyphex{\frenchname}\fi}%..... \frhyphex
%#>
%
% =====
% | Translations |
% =====
%
% The following is to ``repair'' default captions used in standard V2 styles
% prior October 91 as "Figure n:" and "Table n:".
\def\@eatDP{\@ifNextNB:{\@gobble}{}}%
%\def\@eatP#1{\@ifNextNB:{\@gobble}{}}% for any AmS class
\def\@ffrench{\ifx\listoffigures\relax\else%
    \figurename~\thefigure\ifFTY\captionseparator\fi\fi%
    \ifFTY\expandafter\@eatDP\fi}%
\def\@tfrench{\ifx\listoftables\relax\else%
    \tablename~\thetable\ifFTY\captionseparator\fi\fi%
    \ifFTY\expandafter\@eatDP\fi}%
\def\unnumberedcaptions#1{\@noBDfr%
    %..... \unnumberedcaptions
    \expandafter\let\csname listof#1s\endcsname\relax%
    \ifx\listoffigures\relax\ifx\listoftables\relax%
        \let\unnumberedcaptions\undefined%
    \fi\fi%
    }%
%
% Titles ..... \captionsnames
\@ifundefined{captionsnames}{\def\captionsnames{\relax}% let it be known
    \@finpuf{fenglish.sty}}{}% load English captions
\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]{\ifx\tableofcontents\undefined\else%
    \beginingroup\ifcase #1 0% Process \sommaire[1-4]
    \or \let\l@paragraph\tocreduite%.....\sommaire[1]

```

```

\let\l@subparagraph\tocreduite%
\or \let\l@subsubsection\tocreduite%.\sommaire[2]
\let\l@paragraph\tocreduite%
\let\l@subparagraph\tocreduite%
\or \let\l@subsection\tocreduite%....\sommaire[3] DEFAULT
\let\l@subsubsection\tocreduite%
\let\l@paragraph\tocreduite%
\let\l@subparagraph\tocreduite%
\else \let\l@section\tocreduite%.....\sommaire[4]
\let\l@subsection\tocreduite%
\let\l@subsubsection\tocreduite%
\let\l@paragraph\tocreduite%
\let\l@subparagraph\tocreduite%
\fi%
\let\sORI\section\let\chORI\chapter%
\let\section\sEAT\let\chapter\sEAT%
\let\@ToCisNOT\relax% let it be a sommaire first ie there is no toc
\def\@starttoc##1{% \starttoc locally redefined to let toc reusable
\ifx\fr@RIfM@cls\undefined% special case AmS document class
\else\chapter*{\sommairename}% print sommaire now
\fi%
\begingroup\makeatletter% any case require a second pass
\immediate\openin\@inputcheck \jobname.##1 %
\if@files\expandafter\newwrite\csname tf@##1\endcsname\fi%
\ifeof\@inputcheck \@@fnt{\jobname.##1}%
\if@files\immediate\openout \csname tf@##1\endcsname%
\jobname.##1\relax\fi%
\else\immediate\closein\@inputcheck \relax\@@input \jobname.##1 %
\@ifundefined{\@ToCisNOT}{% let a toc be defined further
\if@files\immediate\openout \csname tf@##1\endcsname%
\jobname.##1\relax\fi}{}}%
\fi\global\@nobeakfalse \endgroup}%
\ifx\fr@RIfM@cls\undefined% special case AmS document class
\else\def\contentsname{% dont print table of contents at all here!
\fi% in usual cases (LaTeX document classes)we do
\tableofcontents\endgroup% print the sommaire now.
\def\tableofcontents{% new def that records there is a toc in the doc
\ifx\pdfstringdef\undefined% Reset original \contentsline
\else\let\contentsline\contentslineORI\fi% for hyperref.
\addtocontents{toc}{\protect%
\let% just to be not
\protect\@ToCisNOT\protect\empty}% as relax
\begingroup% \@starttoc locally redefined to avoid pb with Atari
\def\@starttoc####1{\begingroup% normal def without newdef of tf@
\makeatletter\@input{\jobname.####1}%
\if@files\immediate\openout \csname tf@####1\endcsname%
\jobname.####1\relax\fi%
\global\@nobeakfalse \endgroup}%
\@tocORI\endgroup}% now the original toc command
\fi% of \if\tableofcontents\undefined
}%\@smr
\def\sommaire{\@ifNextNB[\@smr]{\@smr[3]}%..... \sommaire
}% a Sommaire is a TOC in front of a document
\def\@temp@{\let\if@twocolumn\iffalse}%
\@ifundefined{if@twocolumn}{\@temp@}{}%
\@ifundefined{abstract}{% undefined in book
\def\abstract{\let\w@s\@gobble%
\if@twocolumn\section*{\abstractname}%
\else\sm@ller\begin{center}%
\textbf{\abstractname\vspace*{-.5em}\vspace*{\z@}}}%

```

```

\end{center}\quotation\fi}%
\def\endabstract{\if@twocolumn\else\endquotation\fi}}}%
\@ifundefined{resume}{% there are styles already defining \resume
\def\resume{%..... \resume
\let\@w@s\@gobble% no warning for \parsep mod.
\abstract}%
\let\endresume\endabstract%..... \endresume
}}}%

%
\def\@tempa{%
\def\endkeywords{\@noBDfr}%
\def\keywords{\@noBDfr%..... \keywords
\let\@w@s\@gobble% no warning for \parsep mod.
\quotation\noindent\sm@lller{%
\ifx\fr@RIfM@cls\undefined%
\else\let\textbf\textsc\fi% for AmS classes
\kwname}%
\let\endkeywords=\endquotation}%..... \endkeywords
}%
\@ifundefined{keywords}{\@tempa}%
{\ifx\fr@RIfM@cls\undefined%
\else\@tempa% do redefine AmS class keywords def
\fi%
}%
\@ifundefined{endkeywords}{\let\endkeywords\relax}}}%
%
\def\motsclef{\keywords\relax% case any arg. %..... \motsclef
\def\endmotsclef{\endkeywords}}%..... \endmotsclef
%
\let\ifFTR\iftrue% Default translation is on.
\ifx\texteuro\undefined\else%
\let\textcurrencyORI\textcurrency%..... \textcurrency
\def\textcurrency{\ifFTR\expandafter\texteuro%
\else\expandafter\textcurrencyORI%
\fi}%
\fi%
\def\annexe {\@ann{\appendixname}}%..... \annexe
\def\annexes{\@ann{\appendixname s}}%..... \annexes
\def\@ann#1{\@noBDfr\leavevmode%
\ifx\fr@RIfM@cls\undefined\else% for AmS classes
\let\chaptername\appendixname% forget Chapter
\fi%
\ifx\chapter\undefined\else%
\par\setcounter{chapter}{0}\setcounter{section}{0}%
\def\@chapapp{\appendixname}\def\thechapter{\Alph{chapter}}%
\addcontentsline{toc}{chapter}{\protect#1}%
\fi}%
\@ifundefined{@restonecolfalse}{\def\@restonecolfalse{}%
\def\@restonecoltrue{}}}% dummy def
\@ifundefined{@mkboth}{\def\@mkboth#1#2{}}}% idem
\def\glossaire{\@glo{\protect%
\glossaryname}}%..... \glossaire
\def\glossaires{\@glo{\protect%
\glossaryname s}}%..... \glossaires
\def\@glo#1{\ifx\chapter\undefined\else%
\setcounter{chapter}{0}\setcounter{section}{0}%
\@restonecolfalse\if@twocolumn\@restonecoltrue\onecolumn\fi%
\hbox{}}% to simulate any text that will allow the writes
\clearpage% to be done to the file instead of the terminal
\ifx\fr@RIfM@cls\undefined% no need with AmS classes

```

```

\chapter*{#1%
\@mkboth{\MakeUppercase{#1}}{\MakeUppercase{#1}}%
}%
\addcontentsline{toc}{chapter}{\protect#1}%
\else\chapter*{#1}% just this for AmS classes
\fi%
\ifx\undefined\@glossaryfile\else%
\immediate\closeout\@glossaryfile%
\ifx\undefined\glossaryentry% dummy def .... \glossaryentry
\long\def\glossaryentry##1##2{\noindent-- ##1\par}%
\fi%
\ifx\undefined\theglossary%
% default glossary defs, type \glossary{[entry :] comments}
% and use \printglossary[filename] default is jobname.gls ..... \printglossary
\let\theglossary\description%
\let\endtheglossary\enddescription%
\let\scan@allowedfalse\makeatother% gglo.ist call this
\def\pfill##1 {}% nullify page num. unneded
\def\@pgf[##1]{\@finput{##1}}%
\def\printglossary{\@ifNextNB[%] emacs
{\@pgf}{\@pgf[\jobname.gls]}}%
\fi%
\fi\fi}% \input \jobname.glo will typeset the glossary
%#>
\def\datefrench{%
\def\todayfrench{\ifx\ier\undefined\def\ier{er}\fi%
\ifnum\day=1\relax 1\ier%..... \todayfrench
\else \number\day\fi%
\space\ifcase\month\or janvier\or f\evrier\or mars\or %
avril\or mai\or juin\or juillet\or ao\ut\or septembre\or %
octobre\or novembre\or d\ecembre\fi \space\number\year}%
}\datefrench% no need of \datefrench def for babel <3.6
\def\ordinal#1{\ifcase\value{#1}\or {p}remier\else\ordin@l{#1}\fi}%
\def\ordin@l#1{\ifcase\value{#1}\or\or {d}euxi\eme\or %
{t}roisi\eme\or {q}uatri\eme\or {c}inqui\eme\or {s}ixi\eme\or %
{s}epti\eme\or {h}uiti\eme\or {n}euvi\eme\or {d}ixi\eme\or %
{o}nzi\eme\or {d}ouzi\eme\or {t}reizi\eme\or {q}uatorzi\eme\or %
{q}uinzi\eme\or {s}eizi\eme\or {d}ix-septi\eme\or {d}ix-huiti\eme\or %
{d}ix-neuvi\eme\or {v}ingti\eme\fi}%
\def\ordinaire#1{\ifcase\value{#1}\or {p}remi\ere\else\ordin@l{#1}\fi}%
\def\Ordinal{\expandafter\uppercase\ordinal}%
\def\Ordinaire{\expandafter\uppercase\ordinaire}%
%
\def\captionsfrench{%..... \captionsfrench
\ifFTR% Is French translation allowed?
\ifx\captionsnames\captionsfrench\else%
\let\@tdORI\today%..... \today
\let\@fORI\fnun@figure%..... \fnun@...
\let\@fORI\fnun@table%
\let\@cnsORI\captionsnames%
% The following for styles or classes: article, report and book
\def\pagename{page}%
\def\refname{R\ef\erences}%
\def\abstractname{R\esum\e}%
\ifx\bibname\undefined\else%
\def\bibname{Bibliographie}%
\fi%
\csname bibsfrench\endcsname% more bibs-names if any.
\def\contentsname{Table des mati\eres}%
\def\listfigurename{Table des figures}%

```

```

\def\listtablename{Liste des tableaux}%
\ifx\listalgorithmname\undefined\else%
\def\ALG@name{algorithm}%
\def\listalgorithmname{Liste des \ALG@name s}%
\fi%
\def\indexname{Index}%
\def\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\f@fORI%
\let\fnun@table\f@tORI}%
\fi% \ifFTR
}%end of captionsfrench
%#<
\iffrenchbibliography%
\ifx\@rbibstyid\undefined%
\let\@rbibstyid\empty%
\ifx\jb@pkg@name\undefined\else%
\def\@rbibstyid{jb}%
\fi%
\fi%
\ifx\bibsfrench\undefined%
\edef\@tempa{fr\@rbibstyid bib.1df}%
\InputIfFileExists{\@tempa}{\message{ -65- \frenchname.sty charge %
les traductions pour la bibliographie \string:}}{}}%
\fi%
\ifx\bibsenenglish\relax%
\edef\@tempa{en\@rbibstyid bib.1df}%
\InputIfFileExists{\@tempa}{\string:}}{}}%
\fi%
\fi%
%#>
%%%%%%%%%%%%%%
%
% =====
% | Layout |
% =====
%
% NB: See elsewhere in the code for appearance of \ifFLA, to find
% all French layout coding.
\let\@tlORI\@trivlist%
\def\frenchtrivsepwarnings{\let\ifFTSW\iftrue}%..... \frenchtrivsepwarnings
\def\nofrenchtrivsepwarnings{\let\ifFTSW\iffalse}%... \nofrenchtrivsepwarnings
\long\def\frtrivseplengths#1{%..... \frtrivseplengths
\nofrenchtrivsepwarnings%
\long\def\fr@tsl{#1}%
}%
\def\fr@tsl{\setlength{\parsep}{0.2ex plus 0.1ex minus 0.1ex}%
\setlength{\itemsep}{0.2ex plus 0.1ex minus 0.1ex}%
\setlength{\topsep}{0.4ex plus 0.2ex minus 0.2ex}%
\setlength{\partopsep}{1.6ex plus 0.8ex minus 0.8ex}%
}%
\def\frenchtrivsep{\ifFLA\def\@trivlist{%..... \frenchtrivsep
\fr@tsl\@tlORI}%
\fi}
\def\nofrenchtrivsep{\let\@trivlist\@tlORI}%..... \nofrenchtrivsep
\@ifundefined{@afterindenttrue}{\let\@afterindenttrue\relax%
\let\@afterindentfalse\relax}{}}%
\let\@aifORI\@afterindentfalse% save first indent
\edef\@piORI{\the\parindent}% save \parindent
\begingroup \catcode `| =0 \catcode `[ =1 \catcode `] =2%
\catcode ``{=12 \catcode ``}=12 \catcode ``\=12%
|gdef|xversatim#1\end{versatim}[#1\end[versatim]]%
\endgroup% running macro for versatim
%
\let\@FIM@\relax% Macro is relax with french light
%#<

```

```

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

```

```

\@ifundefined{vers}{%
  \def\@vers##1{\def\@tempa####1##1{\leavevmode\null####1%
    \endgroup}\@tempa}%
  \def\vers{%..... \vers
    \begingroup% protect local modifications
    \def\@xobeysp{\ifFLA\else\penalty\@M\fi\space}% allow
    \catcode'\=13 \@noligs \tt% hyphenation at blank space
    % word hyphenation done only if \tthyphenation typed
    \ifFLA\let\dospecials\@dsversa\fi%
    \let\do\@makeother\dospecials\@vobeyspaces \frenchspacing%
    \@vers}}}%

%#>
}% end of \@FIM
%===== for the letter ...
\def\@tempa{% a temporary def of all material
\let\@ps@fp\ps@firstpage%
\def\@opening{%
\let\@wideletter\relax% Definitions for french light here.
\let\emailadd\@empty\let\@yourref\@empty\let\@ourref\@empty%
\let\@object\@empty%
%#<
  \@ifundefined{wideletter}{%
    \def\@wideletter{}\def\wideletter{%..... \wideletter
      \def\@wideletter{\leftskip-0.25\indentedwidth}}}%
    \@ifundefined{email}{%
      \def\email####1{\def\emailadd{\texttt{####1}}}%..... \email
      \@ifundefined{emailadd}{\def\emailadd{}}}%
      \@ifundefined{yourref}{%
        \def\yourref####1{\def\@yourref{####1}}}%..... \yourref
        \@ifundefined{@yourref}{\def\@yourref{}}}%
        \@ifundefined{ourref}{%
          \def\ourref####1{\def\@ourref{####1}}}%..... \ourref
          \@ifundefined{@ourref}{\def\@ourref{}}}%
          \@ifundefined{object}{%
            \def\object####1{\def\@object{####1}}}%..... \object
            \@ifundefined{@object}{\def\@object{}}}%
            \@ifundefined{PS}{%
              \def\PS####1{{\raggedright\PSname\space ####1}}}%..... \PS
              %#>
                \def\ps@firstpage{\ifFLA%
                  \advance\topmargin by -20\p@% I also suggest to add in
                  % document preamble: \advance\textheight by 20\p@%
                  \def\@oddhead{\ifx\undefined\formhead\else%
                    \bgroup\hss\formhead\hss\egroup\fi}%
                  \def\@oddfoot{\raisebox{-45\p@}[\z@]%
                    {\hbox to \textwidth{%
                      \ifcase \@ptsize\relax%
                        \normalsize%
                      \or \smaller%
                      \or \footnotesize%
                      \fi%
                      %\hspace*{100\p@}\fromlocation \hfill \telephonenumber
                      \ifx\undefined\formfoot\hfill\else%
                        \bgroup\hss\formfoot\hss\egroup\fi
                    }}\hss}%
                  \def\@evenhead{}\def\@evenfoot{}%
                  \else\@ps@fp\fi}%
                \long\def\opening####1{% ..... \opening
                  \ifFLA%% these 3 counts not saved for other languages (unnecessary)
                  \advance\indentedwidth by -0.25\longindentation%

```

```

\advance\longindentation by 0.22\textwidth%
\advance\parindent by 1.5em% null in standard .....
%%%
\let\nopagenumbers\relax% Avoid to switch to empty page style.
\thispagestyle{firstpage}% set firstpage allowing the user to
% use \@oddhead & \@oddfoot in \ps@firstpage
\raggedbottom% force address to remain in the same place
\ifx\@empty\fromlocation\location{Le}\fi%
\ifx\@empty\fromaddress\let\fromaddress\space\fi% make an blank box
{\raggedright\hspace*{-0.25\indentedwidth}%
\parbox[t]{0.5\textwidth}{\ignorespaces%
\vbox to 0\p@{\fromaddress\vss}}}%
\\*[1.75\baselineskip]%
% \\*[0.65in]% dont let the date appearing in the window
% \vspace*{-5\baselineskip}\vspace*{60\p@}% error average
\par}%
\ifx\@empty\toname% in fact \toname is never empty in LaTeX V2.09!
% except if you code \begin{letter}{}
{\raggedleft\bgroup\fromlocation\space\@date\egroup\par}%
\else%
{\raggedleft\begin{tabular}{l}\ignorespaces%
\toname\\ \toaddress\\*[8\parskip]%
\toname\\ \toaddress\\*[6\parskip]%
\fromlocation\space\@date\end{tabular}\par}%
\fi%
\ifx\@empty\@ourref\else%
{\raggedright \hspace*{-0.25\indentedwidth}%
\OurRefname\space\@ourref \par}%
\fi%
\ifx\@empty\@yourref\else%
{\raggedright \hspace*{-0.25\indentedwidth}%
\YourRefname\space\@yourref \par}%
\fi%
\ifx\@empty\@object\else%
{\raggedright \hspace*{-0.25\indentedwidth}%
\textbf{\Objectname}\space\@object \par}%
\fi%
\par\vspace*{3\parskip}%
\noindent####1\hfill\vspace*{3\parskip}% no need of \linebreak%
\@wideletter%
\else\@oORI{####1}%
\fi}}%
\def\@closing{%
\def\closing{\fclosing@[9]}%..... \closing
\def\fclosing{\@ifNextNB[{\fclosing@}{\fclosing@[9]}]%..... \fclosing
}%
\long\def\fclosing@[####1]####2{%
\ifFLA%
\par%\nobreak
\vspace{\parskip}\stopbreaks%
\ignorespaces ####2\\[####1\medskipamount]%
\ifx\@empty\fromaddress\else%
\hspace*{-0.25\indentedwidth}%
\hspace*\longindentation\fi%
{\raggedright\begin{tabular}{l}\ignorespaces%
\ifx\@empty\fromsig%
\fromname%
\else \fromsig \fi%
\ifx\@empty\emailadd\else\\{\footnotesize%
\emph{\emailname} \emailadd}\fi%

```

```

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

```

```

%\def\nofrenchpagestyle{\let\secdef\@sdORI}%
%#<
\@ifundefined{nopagenumbers}{%don't run everywhere..... (\nopagenumbers)
                                \def\nopagenumbers{\ifFLA\pagestyle{empty}%
                                \thispagestyle{empty}\fi}%
                                }{}%
\def\ifFLA{\ErrFrench}%
%
\newif\ifnonvoid% still an outer def.
\def\@desarm{% the \noeveryparguillemets processing
\newbox\@FrBoxi\newbox\@FrBoxii\newbox\@FrBoxiii%
\newbox\@FrBoxiiii\newbox\@FrBoxvi\newbox\@FrBoxvii\newbox\@FrBoxQuotes%
\ifx\@FrDimenS\undefined\newdimen\@FrDimenS\fi%
\def\@setpartozero{\widowpenalty=\z@\clubpenalty=\z@%
\interlinepenalty=\z@\brokenpenalty=\z@\displaywidowpenalty=\z@}%
\def\nonvoidtrue{\let\ifnonvoid\iftrue}%
\def\nonvoidfalse{\let\ifnonvoid\iffalse}%
\def\@transfervbox##1##2{\nonvoidtrue%
\loop%
\setbox\@FrBoxi=\vbox{\unvbox##1\global\setbox\@FrBoxiii=\lastbox%
\unskip}%
\ifvoid\@FrBoxiii\nonvoidfalse\fi%
\ifnonvoid%
\setbox\@FrBoxii=\vbox{\unvbox##2\box\@FrBoxiii}%
\setbox##1=\box\@FrBoxi\setbox##2=\box\@FrBoxii%
\repeat}%
\def\@transferaddvbox##1##2{\nonvoidtrue%
\setbox\@FrBoxi=\vbox{\unvbox##1\global\setbox\@FrBoxiii=\lastbox%
\unskip}%
\setbox##2=\vbox{\box\@FrBoxiii}%
\setbox##1=\box\@FrBoxi%
\loop%
\setbox\@FrBoxi=\vbox{\unvbox##1\global\setbox\@FrBoxiii=\lastbox%
\unskip}%
\ifvoid\@FrBoxiii\nonvoidfalse\setbox##1=\box\@FrBoxi\fi%
\ifnonvoid%
\setbox\@FrBoxii=\vbox{\unvbox##2%
\hbox to \@FrDimen{\copy\@FrBoxQuotes\unhbox\@FrBoxiii}}}%
\setbox##1=\box\@FrBoxi\setbox##2=\box\@FrBoxii%
\repeat}%
\def\@sendtopage##1{\nonvoidtrue%
\loop%
\setbox\@FrBoxi=\vbox{\unvbox##1\global\setbox\@FrBoxiii=\lastbox%
\unskip}%
\ifvoid\@FrBoxiii\nonvoidfalse\setbox##1=\box\@FrBoxi\fi%
\ifnonvoid%
\unhbox\@FrBoxiii\unskip\break%
\setbox##1=\box\@FrBoxi%
\repeat}%
\def\@stared{\egroup%
\@transfervbox\@FrBoxvi\@FrBoxvii%
\@transferaddvbox\@FrBoxvii\@FrBoxvi%
\setbox\@FrBoxvii=\vbox{\unvbox\@FrBoxvi%
\global\setbox\@FrBoxiiii=\lastbox\unskip}%
\@transfervbox\@FrBoxvii\@FrBoxvi%
\noindent \@sendtopage\@FrBoxvi%
\unhbox\@FrBoxiiii\unskip\unskip\unpenalty}%
\def\@fniv2{\egroup%
\@transfervbox\@FrBoxvi\@FrBoxvii%
\@transferaddvbox\@FrBoxvii\@FrBoxvi%

```

```

\setbox\@FrBoxvii=\vbox{\unvbox\@FrBoxvi%
\global\setbox\@FrBoxiiii=\lastbox\unskip}%
\@transfervbox\@FrBoxvii\@FrBoxvi%
\noindent \@sendtopage\@FrBoxvi%
\setbox\@FrBoxvii=\vbox\bgroup\@setpartozero%
\noindent \unhbox\@FrBoxiiii\unskip\unskip\unpenalty}%
\def\@qqguill{\relax}%
\def\@staring{\global\setbox\@FrBoxQuotes=\hbox to 0.81em{\@qqguill}\egroup%
\setbox\@FrBoxvi=\vbox{\unvbox\@FrBoxvii%
\global\setbox\@FrBoxiiii=\lastbox\unskip}%
\@transfervbox\@FrBoxvi\@FrBoxvii%
\noindent \@sendtopage\@FrBoxvii%
\setbox\@FrBoxvi=\vbox\bgroup\@setpartozero%
\hangindent=\wd\@FrBoxQuotes\hangafter=1%
\setbox\@FrBoxvii=\hbox{\unhcopy\@FrBoxiiii\unskip\unskip%
\unpenalty}%
\@FrDimenS=\@FrDimen \advance\@FrDimenS by -2em%
\ifvoid\@FrBoxiiii\indent\copy\@FrBoxQuotes%
\else%
\parindent=\z@%
\ifdim \wd\@FrBoxvii>\@FrDimenS \unhbox\@FrBoxvii\break%
\else \unhbox\@FrBoxvii%
\fi\fi}%
\def\@qqquotes{\setbox\@FrBoxvii=\vbox\bgroup\@setpartozero}%
}% end \@desarm
%#>
\def\@EIM{\def\labelitemi{\@lti}\def\labelitemii{\@ltii}%
\def\labelitemiii{\@ltiii}\def\labelitemiv{\@ltiv}%
\let\@afterindentfalse\@aifORI\@afterindentfalse%
\parindent\@piORI}% restore \parindent
\let\@FL\relax% \@FL is \relax with french light.
%#<
{\catcode'\.=12\catcode'p=12\catcode't=12\gdef\auTo@gf#1.#2pt{#1}}%
\def\@FL{% LETTRINES defs
\def\automaticlettrine{%
\ifx\lettrinefontname\undefined%..... \automaticlettrine
\def\@tempa####1####2@@{% extract font name
\def\lettrinefontname{####1}}%
\edef\@tempb{ }%
\expandafter\@tempa\fontname%
\expandafter\font\@tempb\@@\fi%
\let\sv@lf=\lettrinefont}%
\def\noautomaticlettrine{%
\let\lettrinefontname=\undefined%.\noautomaticlettrine
\let\lettrinefont=\sv@lf}% reset font
\ifx\lettrine\undefined%..... \lettrine
\def\lettrine{\par%
\let\@tempa\relax%
\def\@tempa{\def\@fbr{\fboxrule=\z@}%
\protect\@lettrineS%
}%
\@tempa}%
\ifPMF\def\@Ettrine[##1]{##1}\let\@ettrine\relax\else%
\def\@ettrine##1##2\par{\bgroup\parskip=\z@ NFSS requires a
{\ly\xdef\bef@ly{\the\font}}% global def!
\let\newpage=\relax\let\clearpage=\relax%
\let\cleardoublepage=\relax%
\edef\bef@fnt{\the\font}%
\ifCG\def\bef@let{ }%
\else\def\bef@let{\bef@fnt\def\ly{\bef@ly}}%

```

```

\leftguillemets\space}%
\fi\@@ttrine{##1}{##2}\egroup}%
\def\@@ttrine##1##2{\ifFLA\def\@@ttrnxt{\@@ttrine##1\@@{##2}}%
\else\def\@@ttrnxt{##1\space\ignorespaces##2}%
\fi% fol.hbox to start a new par after 1 line lett.
\@@ttrnxt\unskip\par% First \par is for lineno package.
\f@par% The second \par ends the \lettrine.
\@nobreakfalse}% Allow breaks after that paragraph.
\def\@@@ttrine##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\fboxrule=\z@\else\advance\@FrDimenI by2\fboxrule%
\advance\@FrDimenI by2\fboxsep\fi%
\@FrDimenS=\fontdimen2\font\advance\@FrDimenI by+3\@FrDimenS%
\ifdim\fboxrule=\z@\advance\@FrDimenI by-0.30\@FrDimenS\fi%
\advance\@FrCount by -1%
\@FrDimen=\@FrCount\baselineskip%
\advance\@FrCount by 1%
\ifdim\fboxrule=\z@\else\advance\@FrDimen by -\fboxrule\fi%
\@FrDimenH=-\dp0% to get baseline alignment
\setbox0\hbox{\ifdim\fboxrule=\z@\kern-\fboxsep\fi%
\fbox{\shortstack{{%
\def\@LSG{\@fw{-5- d'efinition de lettrine incorrecte}}}%
\let\@RSG=\@LSG\bef@let%
\lettrinefont\raise-\@FrDimen\hbox{##1}\relax%
\ifdim\fontdimen\@ne\font>z@\space\fi}}}}}%
\box0\@FrDimen=\@FrDimenH%

```

```

\advance\@FrDimenH by-\@FrCount\baselineskip%
\advance\@FrDimenH by \lineskip% inappropriate action
\ifdim\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<-.025\baselineskip% if dp0 > 25/1000 then
\advance\@FrCount by\@ne% add one more line hangafter
\divide\@FrDimen by-\baselineskip% and may be it could
\advance\@FrCount by\@FrDimen% extend past a line.
\fi%
\fi%
\ifnum\@FrCount=1\@fw{-6- lettrine \'a revoir}\fi%
\hangafter=-\@FrCount%
\noindent\kern-2.5\@FrDimenS%
\def\@temp@{##2}%
\ifx\empty\@temp@\@fw{-7- lettrine r\'eduite \'a 1 seule lettre}%
\else{\scshape ##2}\fi\def\@temp@{##3}%
\ifx\@temp@\empty\else\space\ignorespaces##3\fi%
}%@@@trine
\def\@Ettrine[##1 ##2 ##3]##4\par{\bgroup\parskip=0pt% NFSS requires a
{\ly\xdef\bef@ly{\the\font}}% global def!
\let\newpage=\relax%
\edef\bef@fnt{\the\font}\@gN%
\ifFLA\def\bef@let{\bef@fnt\def\ly{\bef@ly}##1\space}%
\else ##1\space\fi%
\@@ttrine{##2}{\def\@aft@let{##3}\ifx\@aft@let\empty%
\else##3\space\fi%
\ignorespaces ##4}}\egroup}%
\fi% \if@PMF
\def\flettrine{\par%..... \flettrine
\let\@tempa\relax%
\def\@tempa{\def\@fbr{\protect\@lettrines}%
\@tempa}%
\def\@lettrines{\ifx\@FrDimenH\undefined%
\newdimen\@FrDimenH\newdimen\@FrDimenI\fi%
\ifx\@FrDimenS\undefined\newdimen\@FrDimenS\fi%
\@ifNextNB[{\@Ettrine}{\@ettrine}] emacs
}%
\fi% \lettrine undefined
}% end of \@FL
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%#>
%
% =====
% | Typography |
% =====
%
% Let the possibility to turn all off
\def\nonfrench{\ifFrench\@DFP%..... \begin & \end{nonfrench}
\def\@temp@{\@AFP}% \@AFP only for non LaTeX users
\else\@NoFr\def\@temp@{\relax}\fi%
\def\endnonfrench{\@temp@\ignorespaces}%
\ignorespaces}%
%
% Original settings of \dospecials et \sanitize saved at \begin{document}
% include ! ? ; : < > ` ' ^ " in dospecials and sanitize:
\def\@dospecialsfrench{\do\''\do\'@\dsversa}%.....\@dospecialsfrench
\def\@dsversa{% specials reduced for versatim enviro.....\@dsversa
\do\ \do\\ \do\{ \do\} \do\$ \do\& \do\# \do\| \do\^ \do\_ \do\^ \do\% \do\~ \do\$emacs
\do\! \do\? \do\; \do\; \do\< \do\> \do\^ \do\}%

```

```

\def\@sanitizefrench{%.....\@sanitizefrench
%   \@makeother\ \@makeother\\ \@makeother\$ \@makeother\& %$emacs
%   \@makeother\#\@makeother\| \@makeother\^^K \@makeother\_ %
%   \@makeother\^^A \@makeother\% \@makeother\~ %
%   \@saORI% get original \@sanitize and add ours:
%   \@makeother\! \@makeother\? \@makeother\; \@makeother\:%
%   \@makeother\' \@makeother\' \@makeother\< \@makeother\> %
%   \@makeother\^ \@makeother\"}%
%
% \@ifNextNB X {YES} {NO} ... if next char is X then YES else NO ... \@ifNextNB
\def\@ifNextNB#1#2#3{\let\@tempe=#1\def\@tempa{#2}\def\@tempb{#3}\futurelet%
\@tempc\@Fifnch}%
\def\@Fifnch{\ifx \@tempc \@tempe\let\@tempd\@tempa% Next char may be an
\else\let\@tempd\@tempb\fi\@tempd}% % active space.
% \ifNextNBc X or Y {YES} {NO} ... ... \@ifNextNBc
\def\@ifNextNBc#1#2#3#4{\let\@tempe=#1\let\@tempf=#2%
\def\@tempa{#3}\def\@tempb{#4}\futurelet%
\@tempc\@Fifnchc}%
\def\@Fifnchc{\ifx \@tempc \@tempf\@tempa\else\@Fifnch\fi}%
%
\def\@skiplastspace{\ifdim\lastskip>\z@\unskip\penalty\@M\fi}%..\@skiplastspace
%
\let\ifFrench\iftrue% temporary setting
\def\@AFP{%..... \@AFP = Activate French Punctuation
\let\dospecials\@dospecialsfrench%
\let\@sanitize\@sanitizefrench%
\AFPdp\AFPinfsup}%
\def\AFPdp{\ifFrench\catcode'\!=\active\catcode'\?=\active%
\catcode'\;=\active\catcode'\:=\active\fi}%
\let\AFPinfsup\relax%
%#<
\def\AFPinfsup{\ifFrench\ifFG\catcode'\<=\active\catcode'\>=\active\fi\fi}%
%#>
\def\AFPq{\ifFrench\catcode\'=\active\catcode\'=\active\fi}%
\def\AFPdq{\catcode\'=\active}%
%
\def\@DFP{%..... \@DFP = Desactivate French Punctuation
\DFPq\DFPinfsup\ifLPA\else\DFPdp%
\let\dospecials\@dsORI%
\let\@sanitize\@saORI\fi}%
\def\DFPq{\ifFrench\catcode\'=12\catcode\'=12\fi}%
\let\DFPinfsup\relax%
%#<
\def\DFPinfsup{\ifFrench\catcode'\<=12\catcode'\>=12\fi}%
%#>
\def\DFPdp{\ifFrench\catcode'\;=12\catcode'\:=12%
\catcode'\!=12\catcode'\?=12\fi}%
\def\DFPdq{\catcode\'=12}%
%#<
% Typographic process of dots (default is: let dots macros as usual)
%
\let\@doORI\dots\let\@ldoORI\ldots%
\def\TeXdots{\@noBDfr%
\ifFTY\let\dots\@doORI\let\ldots\@ldoORI\fi}%.....\TeXdots
\def\noTeXdots{\@noBDfr%
\ifFTY\def\dots{...}\def\ldots{...}\fi}%..... \noTeXdots
%
% i dotless (for those who haven't a good text editor)
%
\let\@hatORI\^ \let\@treORI\"%

```

```

\def\idotless{\@noBDFr%
  \ifFTY%..... \idotless
    \def\^##1{\expandafter\@hatORI\ifx ##1i\else##1\fi}%
    \def\"##1{\expandafter\@treORI\ifx ##1i\else##1\fi}%
  \fi}%
\def\iwithdot{\@noBDFr%
  \let\^{\@hatORI\let\"{\@treORI}%.....(no MlTeX command). \iwithdot
%#>
% Typographic process of double punctuation:
%
\let\ifLPA\iffalse% \ifLPA must be initiated.
\let\ifFG\iffalse% \ifFG must be initiated.
\def\@tempa#1{\@fw{-13- le caract\`ere "#1" est d\'ej\`a actif}%
  \let\@tempb\next\let\@tempc\empty}% warning message
\let\@tempb\empty%
\AFPdp% activate first part
\let\ifWTS\iffalse% set wrong typed spaces to false
\def\@WTS{\relax\ifmmode\else\ifhmode% skip wrong typed space
  \ifdim\lastskip>\z@\unskip\fi%
  \fi\fi}%
% Add a thin space before punctuation ; : and ! in place of a space
\def\@tempc{%
\def;\{\ifFTY\protect\@PV%{}%..... ";"
  \else\ifWTS\@WTS\fi\string;\fi}%
}%
\def\@tempd{\@tempa{\string;}}%
\ifx;\undefined\def\@tempd{\fi\@tempd\@tempc%
\def\@PV{\relax\ifmmode\string;\else%
  \ifhmode\ifUSP\unskip\space\fi%
  \ifdim\lastskip>\z@\unskip\penalty\@M\,\fi%
  \fi\string;\fi}%
\def\@tempc{%
\def:{\ifFTY\protect\@DP%{}%..... ":"
  \else\ifWTS\@WTS\fi\string:\fi}%
}%
\def\@tempd{\@tempa{\string:}}%
\ifx;\undefined\def\@tempd{\fi\@tempd\@tempc%
\@ifundefined{\@beginparpenalty}{\def\@beginparpenalty=#1{\penalty#1}}{}%
\def\@DP{\relax\ifmmode\string:\else%
  \ifhmode\ifUSP\unskip\space\fi%
  \ifdim\lastskip>\z@\unskip\penalty\@M\,\fi%
  \fi%
  \string:%
  \@beginparpenalty=\@M\relax% Page break forbidden after ":"
  \fi}%
  % but remains 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%
\@fw{la double ponctuation est alors d'esactiv'ee}\fi%
\let\ifLPA\ErrFrench% \ifLPA restored.
\let\ifFG\ErrFrench% \ifFG restored.
\let\@aORI\@array% ..... \@array for \array
\def\@array{}% default noop, further defined.
% 2e float placement correction
\DFPdp\AFPdp% normally a noop but in case of warning...
\ifx\AFPdp\empty\else% only for activated exclamation mark
\def\@array{\let\noexpand\@tempa=\noexpand!%
\def\noexpand!\noexpand\string\noexpand!}%
\edef\noexpand\@tempb{##1}% asis substitution
\let\noexpand!=\noexpand\@tempa}%
\fi%
\catcode'\<=13\catcode'\>=13% temporary activation
\let\ifArG\iftrue% by now assume guillemets are available in arrays.
\edef\@array[#1]{\edef\noexpand\@tempb{#1}% default substitution
\noexpand\ifArG\noexpand\else%
\noexpand\ifnum\catcode'\noexpand<=\active%
\noexpand\ifmmode\let\noexpand<\noexpand\inferieura%
\let\noexpand>\noexpand\superieura%
\noexpand\fi\noexpand\fi\@array%
\noexpand\fi%
\noexpand\@aORI[{\noexpand\@tempb}]]}%
\let\@eaORI\eqnarray% ..... \eqnarray
\def\eqnarray{\ifArG\else\ifnum\catcode'\<=\active%
\let<\inferieura\let>\superieura%
\fi\fi\@eaORI}%
\ifx\@array\undefined\else% When array package loaded we must ..... \@array
\let\@aORI\@array% protect it too
\def\@array{\ifArG\else\ifnum\catcode'\<=\active%
\let<\inferieura\let>\superieura%
\fi\fi\@aORI}% as for eqnarray (and standard array).
\fi%
\catcode'\<=12\catcode'\>=12%
\DFPdp% deactivate first part
\let\@CGroup\relax\let\@FG\relax% Should be relax for french light.
\let\@LG\relax%

```

```

%#<
% Process of guillemets (typed << and >>)%..... Guillemets
%
% here is the oldest way to def. guillemets (still useful with plain}
\def\@og{\leavevmode\ifdim\lastskip>\z@\unskip%
          \penalty-9\hskip0.35em minus 0.35em\fi%
          \raise0.27ex\hbox{\$ \scriptscriptstyle\ll$}\,\,\nobreak\ignorespaces}%
\def\@cg{\@skiplastspace\nobreak\,\,\leavevmode\raise0.27ex%
          \hbox{\$ \scriptscriptstyle\gg$}}%
\let\ifFG\iftrue% set the default
\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%
\def\@LG{\relax\ifFTY\ifmmode\@DOG\else\@@@OG\fi\else\@DOG\fi}%
\def\@SifDOGO{\global\let\ifDOG\iftrue}% set scnd level of guillemets flag
\def\@SifDOGoff{\global\let\ifDOG\iffalse}\@SifDOGoff% now set it off
\def\@@@OG{\ifCG\ifFLA\ifEPG\else% now be tolerant... in noeverypar
            \hbadness=10000% all this stuff is really dirty !
            \ifhmode\newline\fi% We force newline if any stuff already typeset.
            \bgroup\def\par{}}%
            \@FrDimen=\textwidth% line size on mono-column
            \if@twocolumn\tolerance=5000\pretolerance=5000%
                \advance\@FrDimen by -\columnsep%
                \divide\@FrDimen by 2\fi% for two-column
            \@ifundefined{@inAlist}{\}% revisit box size in a list environment
            \advance\@FrDimen by -\leftmargin\advance\@FrDimen by -\rightmargin%
            \advance\@FrDimen by -\listparindent\hsize=\@FrDimen}%
            \@qqquotes\fi\fi\fi%
\@oguills%
\ifFLA\ifEPG\bgroup\def\@currentenv{guillemets}% simulate an environment
            \let\@CGroup\egroup\fi\fi% for error processing
\ifCG\ifFLA\ifEPG% save the current \everypar and apply it first
            \xdef\@epORI{\the\TeXeverypar}}%
            \TeXeverypar={\@epORI% Original \everypar.
                \ifEPGR\else% If not allready done,
                \@oguills% insert guillemets and
                \@ifundefined{@OuvOpen}{% then according
                \,% kerning just after.
                }}%
            \fi}%
            \fi\fi%
\else\@SifDOGO\@AG% ancient guillemets featuring
\ifFLA\ifEPG\else\def\@qqguill{\@oguills}\@staring\fi\fi\fi%
\global\let\ifCG\iffalse%
\ifUSP\kern+0.13em\penalty\@M\ignorespaces%

```

```

\else\kern-0.19em\relax\penalty\@M\fi}%likely as \ignorespaces\fi
\def\@AG{\ifAG\let\@LP\@RP\let\@gotl\@gotr%
\fi}% Apply ancient guillemets if required
\def\@f@guillemets{<<}%
\def\@oguills{%
\bgroupp\ifundefined{\@OuvOpen}{\def\@OuvOpen{}}% avoid duplicate <<
\@ifundefined{ly}{\@og}%
{\leavevmode\ifECM\hbox{\ifGIAF\else\@gfnt\fi%
\ifx\@gotl\undefined\char\rq\@LP%
\else\@gotl\fi\kern+0.20em}}%
\else\hbox{\ly\@LP\kern-0.20em\@LP\kern+0.20em}}\fi%
\nobreak}}}\egroup}%
%\def>{\ifnum\catcode'\>=\active% look at \normalbrackets..... ">>"
%\expandafter\@genGR\else\@RSG\fi}% \EBCDICbrackets are different
\def\@@RFG{\ifFTY\ifmmode\protect\@RSG\else%
\ifIEB\@SFC\else\@RSG\fi% EBCDICbracket
\fi%
\else\@RSG\fi}%
\def\@SifFTY{\let\ifFTY\iffalse}% to turn of FTY temporary
\def\@RG{\relax\ifmmode\@SifFTY\fi\ifFTY\@@FG\else\@DFG\fi}%
\def\endf@guillemets{>>}%
\ifx\RIfM@\undefined\else% For AmSTeX we force \nofrenchguillemets.
\edef\@emORI{\the\everymath\relax}% Save original \everymath.
\edef\@edORI{\the\everydisplay\relax}% Save original \everydisplay.
\message{^^J -18- \frenchname.sty force l'option % New definition takes care
\string\nofrenchguillemets\space en maths avec AmSLaTeX.}% that
%\nofrenchguillemets may be still undefined; expansion differed.
\everymath={\csname nofrenchguillemets\endcsname\@emORI}%
\everydisplay={\csname nofrenchguillemets\endcsname\@edORI}%
\fi%
\DFPinfsup% desactivate for guillemets
% The grammar environnement from syntax package..... \grammar
\ifx\grammar\undefined% can't use French guillemets.
\else\let\@grORI\grammar\def\grammar{\nofrenchguillemets\@grORI}%
\fi%

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

```

```

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

```

```

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

```

```

\DFPq%
\AFPinsup% activate < and >
\def\EBCDICbrackets{\@noBDfr%
    \let\ifIEB\iftrue%..... \EBCDICbrackets
    \ifFG%
    \def<\protect\@LFG}%old code generate \ifnum incompatibilty
    \def\@LFG{\@ifNextNB<\protect\@OG}{\@LFG}}%
    \def\@OG<\ifnum\catcode'< =\active\expandafter\@LG%
        \else\@LFG\@LFG\fi}%
    \def>\protect\@RFG}%
    \def\@RFG{\@ifNextNB>\protect\@FG}{\@RFG}}%
    \def\@FG>\ifnum\catcode'> =\active\expandafter\@RG%
        \else\@RFG\@RFG\fi}%
    \fi}%
\long\def\@BracesOrNot[#1]{\ifmmode\@PreserveBraces[#1]%
    \else\expandafter#1\fi}%
\let\@fobeyspaces\empty%
\long\def\@genG#1#2#3{\@fobeyspaces%
    \ifx#2#3\expandafter\protect\csname @#1G\endcsname%
    \else\csname @#1FG\endcsname\expandafter\@BracesOrNot%
        \expandafter[\expandafter{%
        \expandafter#3\expandafter}\expandafter]%
    \fi}%
\edef\@genGL{\noexpand\@genG{L}\noexpand<}%
\edef\@genGR{\noexpand\@genG{R}\noexpand>}%
% Hacking for blank space after "<" or ">" doesn't run in any \ifdim x > y
% like in \footnote, so the code is nullified until...
%\def\@bobeyspaces{\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}%
\DFPinsup% deactivate < and >
%#>
\let\ifFG\iffalse% default further choice
%#<
\def\ancientguillemets{\@noBDfr%
    \let\ifAG\iftrue}%..... \ancientguillemets
\def\todayguillemets{\@noBDfr%
    \let\ifAG\iffalse}%..... \todayguillemets
\def\guillemetsinarrays{\@noBDfr%
    \let\ifArG\iftrue}%..... \guillemetsinarrays
\def\noguillemetsinarrays{\@noBDfr%
    \let\ifArG\iffalse}%..... \noguillemetsinarrays
\def\guillemetsinallfonts{\@noBDfr%
    \let\ifGIAF\iftrue}%..... \guillemetsinallfonts
\def\guillemetsinroman{\@noBDfr%
    \let\ifGIAF\iffalse}%..... \guillemetsinroman
\def\overfullhboxmark{\@noBDfr%
    \ifFLA\overfullrule=5pt\fi}%..... \overfullhboxmark
\def\nooverfullhboxmark{\@noBDfr%
    \ifFLA\overfullrule=0pt\fi}%..... \nooverfullhboxmark

```

```

%#>
\let\ifFrench\iffalse% reset original value
%
% For compatibility with MlTeX docs but unneeded in this style%...\fhyph \ehyph
{\def\@genMLhyph{\@ifundefined{french}}{\gdef\fhyph{\french}}%
  \@ifundefined{english}}{\gdef\ehyph{\english}}}%
\@ifundefined{fhyph}{\@genMLhyph}{}%
}%
%
\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
\@fw{-71- ATTENTION : % with message -26-; better is that message.
    si babel est utilis\’e, mettre \frenchname\space en option}%
\fi%

        \let\@DFPtestANDset\@DFP%
        \@DFP}%

\def\endfrench{%..... \endfrench
%%% This \endL should be omitted otherwise it will be an extra for eTeX.
%%% \ifx\undefined\GOfrench% When french document really started,
%%% \csname endL\endcsname% stop any TeX--XeT french direction of writing.
%%% \fi%
\ifCLAFrench\else%
    \@DFPtestANDset%
    \nofrenchtypography\nofrenchtranslation\nofrenchlayout%
\fi%
    \nofrenchmacros%
    \nofrenchhyphenation%
    \let\@Hif\@HifORI\let\@Hfi\@HfiORI%
    \let\switchtolanguage\@stlORI%
    \let\ifFrench\iffalse\@stlORI%
    \ignorespaces}% end of \endfrench
\let\noextrasfrench\endfrench%
%#<
\def\frenchtest{\@finput{french.tst}}% The Torture Test ..... \frenchtest
\def\frenchdoc{\@finput{frdoc}}% The Documentation ..... \frenchdoc
%#>
%%%%%%%%%%%%%%
%
%          =====
%          | Language switch mechanism |
%          =====
%          based on language.dat file
%
\@ifundefined{englishTeXmods}{\gdef\englishTeXmods{}}{}%..... \englishTeXmods
%
\global\let\@Hif\empty\global\let\@Hfi\empty% dflt \if...\fi hyphenation switch
\global\let\ifFE\iffalse% don’t reload hyphenation exception if not required.
\newif\if@more\@moretrue%
\def\@doFh{% define processing for reading language.dat at \begin{document}
    \bgroup% there is a marmelade here for a temporary usage.
    \let\ORIGfrench\french%
    \newcount\@FrCount%
\def\tl@ng##1{}% no need at this time to test if \<language>TeXmods is defined
\def\ERRdat{\errmessage{-9- Corrupted/absent language.dat file.}%
    \global\let\french\enddocument}%
\def\@rhef##1/##2/{\def\@tempa{##2}%reloading of hyphenation exceptions files
    \def\@tempb{##1}% language name
    \def\@tempc{\ifx\space\@tempa\else%
        \expandafter\gdef\csname ##1\hefn\endcsname{##2\relax}%
        \ifFE\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{1@##2}{}% do nothing, unused at initex
{% First accept babel definitions (\chardef) of languages.
\chardef\l@no##1\expandafter\if\csname 1@##2\endcsname\l@no\else%
\edef\l@no{##1}\expandafter%
% Secondly accept our own defs.
\ifx\csname 1@##2\endcsname\l@no% OK
\else\typeout{^^J \frenchname.sty: -27- language ##1 (##2) was initially %

```

```

        (at initex) numbered \csname l@##2\endcsname\space(ERROR!)}\ERRdat%
\fi\fi}%

%--
        \expandafter\tl@ng\csname##2TeXmods\endcsname%
        \expandafter\gdef\csname##2\endcsname%
        {\expandafter\switchtolanguage\csname ##2TeXmods\endcsname%
        \@Hif\language=##1\@Hfi\relax}}%
% test if #1 equal ``=''' that means same language hyphenation but a dialect.
\edef\@temp@{=}%
\def\@langue##1##2 ##3 ##4/##5{\def\@tempa{=}\def\@tempb{##1}%
    \ifx\@tempa\@tempb%
        \ifnum\@FrCount > 0 \advance\@FrCount by -1\fi%
        \relax% relax Max! Why is it absolutely needed?
        \expandafter\NouveauLangage\expandafter[\the\@FrCount]{##2}%
        \ifnum\@FrCount \@temp@ 0 \@FrCount= -1\fi%
    \else\edef\@temp@{<}\@langue##1##2 ##3 ##4/{##5}%
    \fi}%
\def\@langue##1 ##2 ##3/##4{\NouveauLangage[##4]{##1}%
%%\typeout{La langue ##1 est utilis\'ee sous le num\'ero \the\@FrCount}
    %\expandafter\@input##2\relax%% loading of patterns is done at initex
%%
    \if@FE
        \@rhef##1/##3/% Check if reload of exceptions file is needed.
%%\fi

        }% end of \NouveauLangage
%
\let\hyphenation\@f@hyphenation% use our new macro.
\openin\@inputcheck = language.dat \def\@tempb{}%
\ifeof\@inputcheck\@Ffmt{language.dat}%
    \ifx\undefined\@french % language.dat is absent but \french might be def.
        \else\xdef\@PrevF{\french}%
        \gdef\french{\switchtolanguage\frenchTeXmods\@PrevF}%
        {\@PrevF\@fw{-15- le langage \frenchname\space porte le %
        num\'ero \the\language}}%
    \fi%
    \ifx\undefined\@l@english % any default English language number?
        \def\@l@english{0}% set it
    \fi%
    \ifx\undefined\@english % check English (fenglish.sty usally loaded)
        \else\xdef\@PrevE{\language=\@l@english}%
        \gdef\english{\switchtolanguage\englishTeXmods\@PrevE}%
        {\@PrevE\@fw{-16- the English language\space is numbered %
        \the\language}}%
    \fi
\else\@FrCount=-1%
\loop \endlinechar=-1 \read\@inputcheck to \@lineD \endlinechar\^^M%
    \ifx\@lineD\empty \else \advance\@FrCount by 1%
    \edef\@lineD{\@lineD\space\space/{\the\@FrCount}}%
    \expandafter\@langue\@lineD%
    \fi%
    \ifeof\@inputcheck \@morefalse \fi%
    \if@more\repeat%
\fi\closein\@inputcheck%
\let\hyphenation\@hyphenation% reset original cs.
%
\def\@MLtst{\@ifundefined{fhyph}% if French and \fhyph undef. (no language.dat)
    {\@if@PMF\gdef\french{\switchtolanguage\frenchTeXmods}%
    \@fw{-19- utilisation du langage interne num\'ero \the\language}%
    \else\typeout{^^J \frenchname.sty: -20-
        the French language is undefined (ERROR!)}\ERRdat\fi}%
%if \fhyph defined as in MlTeX then :

```

```

\gdef\french{\switchtolanguage\frenchTeXmods\fhyph}%
\gdef\english{\switchtolanguage\englishTeXmods\ehyph}%
}%
}%@MLtst
\@ifundefined{french}{\@MLtst}{}% French might be still undefined!
\@ifundefined{endenglish}{\global\let\endenglish\french}{}% and \endenglish
\gdef\tl@ng##1{\ifx ##1\relax\@fw{-21- ##1 n'est pas d'efini}\fi}%
\ifx\ORIGfrench\french\ERRdat\fi%
\egroup% this is the end of the marmelade
}% end of \doFh (\GOfrench part 2)
%%%%%%%%%%%%%% Insure AmSTeX will not be loaded later.
\ifx\vert\undefined\else\let\@bvORI\vert\fi Already done before macros.
\def\@fwVIIIII{\kbttypeout{^^J -73- ERREUR avec AmSTeX : %
\ frenchname.sty a \'et\'e charg\'e trop t\'ot !}\stop}%
\ifx\RIfM@\undefined%
\def\vert{\ifx\RIfM@\undefined\expandafter\@bvORI\else\expandafter%
\@fwVIIIII\fi}%
\else%
\def\vert{\@bvORI}%
\fi%
%%%%%%%%%%%%%%
%#<
%
% =====
% | Macros for help |
% =====
%
% Abbreviations
\def\@abbf[#1]{\def\abbrevfilename{#1}}%
\AFPdq% Activate " char for the following coding
\def\abbreviations{\if@PMF\else\AFPdq\fi%..... \abbreviations
\@abbdefs\let\@abbdefs\relax%
\@ifNextNB[%] emacs
{\@abbf}{\@abbf[frabbrev.tex]}}%
% The following lines are excluded from high speed \if...\fi scan
\def\f@protect{\ifx\protect\@typeset@protect%
\else\f@x@protect\fi}%
\def\f@x@protect\fi#1{\fi\protect"%}
\def\@eatprotect#1\protect#2@nil{#1}%
\if@PMF\let\f@protect\undefined\let\f@x@protect\undefined%
\let\@eatprotect\undefined%
\fi% \if@PMF
\def\@abbdefs{% the needed defs for abbrevs
\def\ABBfound{\global\let\ifABBfound\iftrue}%
\let\ifABBfound\iffalse%
\def\@abbrev##1##2 ##3##4 ##5/{%
\let\ifFMA\iftrue% allways true here
\edef\@tempa{##1##2}%
\ifx##3*\edef\@tempb{##4}\edef\@tempc{##4s}%
\else\edef\@tempb{##3##4}\edef\@tempc{}}%
\fi%
\ifx\@tempa\@tempb##5\ABBfound%
\else\ifx\@tempc\empty%
\else\ifx\@tempa\@tempc##5\ABBfound\fi%
\fi%
\fi%
\ifABBfound%
\else\edef\@tempa{##2}\edef\@tempb{##4}%
\ifx\@tempa\@tempb##5\ABBfound%
\else\ifx\@tempc\empty%
\else\ifx\@tempa\@tempc##5\ABBfound\fi%

```

```

\fi%
\fi%
\fi}%
\def\@openabbrev##1{\openin\@inputcheck=##1 %
\ifeof\@inputcheck\@Ffmt{##1}\fi}%
\def"\f@protect\AbbrevName}%". . . . . "xx"
\def\AbbrevName##1{"\def\@tempa{##1}\ifx\@tempa\space''\space''%
\else\@abbrev##1"\fi}%
\def\@abbrev##1{\expandafter\@abbrev\@eatprotect##1\protect\@nil}%
\def\@abbrev##1{"\begingroup%
\def\ABBMfalse{\global\let\ifABBM\iffalse}%
\let\ifABBM\iftrue\global\let\ifABBfound\iffalse%
\@openabbrev{\abbrevfilename}%
\ifeof\@inputcheck\else%
\loop\endlinechar=-1\read\@inputcheck to \@lineD\endlinechar\^^M%
\ifx\@lineD\empty%
\else\edef\@lineD{##1 \@lineD/}\expandafter\@abbrev\@lineD\fi%
\ifABBfound\ABBMfalse\fi%
\ifeof\@inputcheck \ABBMfalse\ifABBfound\else%
\@fw{-22- abr\'eviation de \string"##1\string" non trouv\'ee}%
\fi\fi%
\ifABBM\repeat%
\fi\closein\@inputcheck%
\ifABBfound\else''##1''\fi\endgroup}%
}% end of \@abbdefs
\if@PMF\let\@abbdefs\relax\fi% No need with PMF.
\DFPDq% Deactivate " char
\def\noabbreviations{\if@PMF\else\DFPDq\fi}% . . . . . \noabbreviations
% Save original macros if they exist before the French option loading
\ifx\at\undefined\else\let\@atORI\at\fi%
% \ifx\vert\undefined\else\let\@bvORI\vert\fi% Already done before macros.
\let\@bsORI\backslash%
\catcode'\/=0{\catcode'\/=12%
/gdef\@boiORI{{/protect/string\}}}%\emac+TeX
/catcode'\/=0\catcode'\/=12%
\let\@boi\textbackslash% Should be ok with hyperref
\ifx\chap\undefined\else\let\@chapORI\chap\fi%
\let\@tildeORI\tilde%
\ifx\etc\undefined\else\let\@etcORI\etc\fi%
\ifx\numero\undefined\else\let\@numORI\numero\fi%
\ifx\numeros\undefined\else\let\@numsORI\numeros\fi%
\ifx\Numero\undefined\else\let\@NumORI\Numero\fi%
\ifx\Numeros\undefined\else\let\@NumsORI\Numeros\fi%
\ifx\degre\undefined\else\let\@degreORI\degre\fi%
\ifx\degres\undefined\else\let\@degresORI\degres\fi%
\ifx\ieme\undefined\else\let\@iemeORI\ieme\fi%
\ifx\iemes\undefined\else\let\@iemesORI\iemes\fi%
\ifx\ier\undefined\else\let\@ierORI\ier\fi%
\ifx\iers\undefined\else\let\@iersORI\iers\fi%
\ifx\iere\undefined\else\let\@iereORI\iere\fi%
\ifx\ieres\undefined\else\let\@ieresORI\ieres\fi%
\ifx\fsc\undefined\else\let\@fscORI\fsc\fi%
\ifx\lsc\undefined\else\let\@lscORI\lsc\fi%
\let\@ntsORI\!%
\def\@ifm{%noabbreviations% this is the default
% original commands would be better 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{\@Fsp{##1}\kern.2em\ignorespaces}%
    \long\def\etc{\def\@tempa{}}%                    etc. .... \etc
        \ifFMA%
            \ifhmode\ifUSP\unskip\space\fi%
            \ifdim\lastskip>z@\unskip\penalty\@M~\fi%
        \fi%
        etc\def\@tempa{\@ifNextNB.{}}{%
            \@fw{-60- point manquant apr\`es \string\etc}}}%
        \else\@etcORI%
        \fi\@tempa}%
\DeclareRobustCommand*\@nombre% ..... \nombre
    {\ifFMA\expandafter\@nombre% This control command designed
        \else\expandafter\@nomORI% to typeset french numbers
        \fi}% with correct spacing like in 123 456,789 012.
\def\numero{\ifFMA n\@umer{o}\else\@numORI\fi}%      n^o ..... \numero
\def\Numero{\ifFMA N\@umer{o}\else\@NumORI\fi}%      N^o ..... \Numero
\def\numeros{\ifFMA n\@umer{os}\else\@numsORI\fi}%   n^os ..... \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##1{\@noBDfr%
    \ifFMA\leavevmode\raise+0.55ex%
        \hbox{\protect\sm@ller\MakeLowercase{##1}}\kern+.17em%.. \fup
    \else##1\fi}%
\def\ieme{\ifFMA\protect\fup{e}\else\@iemeORI\fi}%   ieme sign..... \ieme
\def\iemes{\ifFMA\protect\fup{es}\else\@iemesORI\fi}% iemes sign..... \iemes
\def\ier{\ifFMA\protect\fup{er}\else\@ierORI\fi}%    ier sign..... \ier
\def\iers{\ifFMA\protect\fup{ers}\else\@iersORI\fi}% iers sign..... \iers
\def\iere{\ifFMA\protect\fup{re}\else\@iereORI\fi}%  iere sign..... \iere
\def\ieres{\ifFMA\protect\fup{res}\else\@ieresORI\fi}% ieres sign..... \ieres
\def\fsc{\protect\Fsc@}% ..... small caps for names \fsc
\def\Fsc@\{\@noBDfr\Fsc@}%
\def\Fsc@@{\@ifNextNB*{\let\Fsc@F\@sc@F\FSC@}{\let\Fsc@F\relax\FSC@*}}%

```

```

\def\@sc@F{\rmfamily\mdseries}% The star option forces cmr and m font.
\def\FSC@*##1{\fsc@##1\@@}%
% Still bugged bec \fsc{{{...}}} generates a wrong output
\def\fsc@##1##2\@@{\ifFMA\leavevmode{\ifECM\Fsc@F\else\@sc@F\fi%
\textsc{%
\@uchbox{\let\protect\@empty%
\let\@typeset@protect\@empty%
\let\@changed@x\@changed@x@mouth%
\if\relax\noexpand##1\fsc@@@##1##2\@@%
\else\edef\@tempa{##1}%
\expandafter\fsc@@\@tempa##2\@@%
\fi}}}%
\else\@fscORI##1\fi}%
\def\fsc@@@##1##2\@@{\MakeUppercase{##1}\lsc@*{##2}}%remove surrounding {}
\def\fsc@@@##1##2##3\@@{\MakeUppercase{##1{##2}}\lsc@*{##3}}}%
%
\def\lsc{\protect\Lsc@}%..... allways lower case small caps \lsc
\def\Lsc@{\@noBDfr\Lsc@@}%
\def\Lsc@@{\@ifNextNB*\let\Fsc@F\@sc@F\lsc@}{\let\Fsc@F\relax\lsc@*}}%
\def\lsc@*##1{\ifFMA\leavevmode{\ifECM\Fsc@F\else\@sc@F\fi%
\textsc{\@uchbox{\MakeLowercase{##1}}}}}%
\else\@lscORI##1\fi}%
%..... \primo \secundo \tertio \quarto%
%(((..... \primo) \secundo) \tertio) \quarto)
\def\@FE{\@noBDfr%( emacs
\@ifNextNB){\@@FPE}{\@@FE}}%
\def\@@FE{\the\@FrCount$\^{\mathrm o}$\kern+.29em}%
%
\def%( emacs
%
\@@FPE){\the\@FrCount\kern-.25em\lower.2ex\hbox{\degree}%
%
\kern-.55em%(emacs
%
)\kern+.3em}%
\def%( emacs
\@@FPE){\setbox0=\hbox{\degree}\@FrDimen=\wd0\multiply\@FrDimen by 10%
\divide\@FrDimen by 45\leavevmode%
\the\@FrCount\kern-\@FrDimen%
\setbox0=\hbox{\the\@FrCount}\@tempdima=\ht0%
\setbox0=\hbox{\degree}\@tempdimb=\ht0%
\advance\@tempdimb by -\@tempdima%
\lower\@tempdimb\hbox{\degree}%
\multiply\@FrDimen by 45%
\divide\@FrDimen by 20%
\kern-\@FrDimen%(emacs
)\kern+.3em}%
\def\quando=##1{\@FrCount=##1\@FE}%(emacs..... \quando=n or \quando=n)
\def\primo{\@FrCount=1\@FE}%
\def\secundo{\@FrCount=2\@FE}%
\def\tertio{\@FrCount=3\@FE}%
\def\quarto{\@FrCount=4\@FE}%
\def\frenchalias##1##2{%..... \frenchalias
\ifx##1\undefined\let##1 ##2\relax%
\else\@fw{-1- la macro \string##1 existe d\'ej\'a}%
\expandafter\stop%
\fi}%
%
% (Leslie says: "... counters are referencable, footnote counters are not.")
% Now we do. A facility to be added in future LaTeX releases I hope.
\@ifundefined{refmark}% stands for \footnotemark[\ref{...}] ..... \refmark
{\def\refmark##1{\@noBDfr%
\ifFTY\ifhmode% unskip last space
\ifdim\lastskip>z@\unskip\fi\fi\fi%

```

[illegible]