cfr-lm: fontinst sources

Clea F. Rees*

v1.9 (SVN Rev: 11038) 2025/06/21

Abstract

This file contains listings for the encodings used by cfr-lm. For commentary, changes and documentation, see `cfr-lm.pdf`. I apologise for the horrendous length of the lines in `clm-t1-drv.tex`. My only defence is that nobody else is ever going to read it.

Contents

1 Drivers **1**

1.1 T1 Driver 1

1.2 TS1 Driver 32

2 Map **40**

3 Encodings **40**

3.1 Supplementary Encodings (Raw) 40

3.1.1 `dotdigits.etx` 40

3.2 Output Encodings 42

3.2.1 `dotoldstyle.etx` 42

3.2.2 `dotprop.etx` 42

3.2.3 `dottaboldstyle.etx` 42

3.2.4 `t1-clm.etx` 42

1 Drivers

The driver does all the initial setup of the fonts. It organises the fonts into families, defines shapes and reencodes as required. For cfr-lm-build, the driver is split into `clm-t1-drv.tex` and `clm-ts1-drv.tex`.

1.1 T1 Driver

`clm-t1-drv.tex` (*drv.*) The EC or T1 families.

```
\input fontinst.sty
\needsfontinstversion{1.926}
```

*Bug tracker: codeberg.org/cfr/nfssext/issues | Code: codeberg.org/cfr/nfssext | Mirror: github.com/cfr42/nfssext

Substitutions

```
\substitutesilent{scit}{scsl}
\substitutesilent{si}{scit}
\substitutesilent{ui}{it}
\substitutesilent{sl}{ui}
\substitutesilent{it}{sl}
\substitutesilent{sc}{n}
```

Bold extended for bold

This *really* shouldn't be necessary!! But on newer kernels, it is. nfssext-cfr contains a fix, but maybe this will help if they change the code again. The basic problem is that virtual fonts are ignored by code which now treats CM/LM as special cases. It doesn't break, but it makes a mess.

```
\substitutesilent{b}{bx}
```

Record transformations for later map file creation

```
\recordtransforms{clm-rec.tex}
```

Don't allow fonts to be scaled via variable in fd files as we have optical sizes.

Transformations : reencode fonts

Reencode for standard T1 encoding - tabular, lining digits

```
\transformfont{lmb8ttl10}{\reencodefont{t1-clm}{\fromafm{lmb10}}}
\transformfont{lmbo8ttl10}{\reencodefont{t1-clm}{\fromafm{lmbo10}}}
\transformfont{lmbx8ttl10}{\reencodefont{t1-clm}{\fromafm{lmbx10}}}
\transformfont{lmbx8ttl12}{\reencodefont{t1-clm}{\fromafm{lmbx12}}}
\transformfont{lmbx8ttl5}{\reencodefont{t1-clm}{\fromafm{lmbx5}}}
\transformfont{lmbx8ttl6}{\reencodefont{t1-clm}{\fromafm{lmbx6}}}
\transformfont{lmbx8ttl7}{\reencodefont{t1-clm}{\fromafm{lmbx7}}}
\transformfont{lmbx8ttl8}{\reencodefont{t1-clm}{\fromafm{lmbx8}}}
\transformfont{lmbx8ttl9}{\reencodefont{t1-clm}{\fromafm{lmbx9}}}
\transformfont{lmbxi8ttl10}{\reencodefont{t1-clm}{\fromafm{lmbxi10}}}
\transformfont{lmbxo8ttl10}{\reencodefont{t1-clm}{\fromafm{lmbxo10}}}
\transformfont{lmcsc8ttl10}{\reencodefont{t1-clm}{\fromafm{lmcsc10}}}
\transformfont{lmcsco8ttl10}{\reencodefont{t1-clm}{\fromafm{lmcsco10}}}
\transformfont{lmr8ttl10}{\reencodefont{t1-clm}{\fromafm{lmr10}}}
\transformfont{lmr8ttl12}{\reencodefont{t1-clm}{\fromafm{lmr12}}}
\transformfont{lmr8ttl17}{\reencodefont{t1-clm}{\fromafm{lmr17}}}
\transformfont{lmr8ttl5}{\reencodefont{t1-clm}{\fromafm{lmr5}}}
\transformfont{lmr8ttl6}{\reencodefont{t1-clm}{\fromafm{lmr6}}}
\transformfont{lmr8ttl7}{\reencodefont{t1-clm}{\fromafm{lmr7}}}
\transformfont{lmr8ttl8}{\reencodefont{t1-clm}{\fromafm{lmr8}}}
\transformfont{lmr8ttl9}{\reencodefont{t1-clm}{\fromafm{lmr9}}}
\transformfont{lmri8ttl10}{\reencodefont{t1-clm}{\fromafm{lmri10}}}
\transformfont{lmri8ttl12}{\reencodefont{t1-clm}{\fromafm{lmri12}}}
\transformfont{lmri8ttl7}{\reencodefont{t1-clm}{\fromafm{lmri7}}}
\transformfont{lmri8ttl8}{\reencodefont{t1-clm}{\fromafm{lmri8}}}
\transformfont{lmri8ttl9}{\reencodefont{t1-clm}{\fromafm{lmri9}}}
\transformfont{lmro8ttl10}{\reencodefont{t1-clm}{\fromafm{lmro10}}}
\transformfont{lmro8ttl12}{\reencodefont{t1-clm}{\fromafm{lmro12}}}
\transformfont{lmro8ttl17}{\reencodefont{t1-clm}{\fromafm{lmro17}}}
\transformfont{lmro8ttl8}{\reencodefont{t1-clm}{\fromafm{lmro8}}}
\transformfont{lmro8ttl9}{\reencodefont{t1-clm}{\fromafm{lmro9}}}
\transformfont{lmu8ttl10}{\reencodefont{t1-clm}{\fromafm{lmu10}}}
\transformfont{lmss8ttl10}{\reencodefont{t1-clm}{\fromafm{lmss10}}}
\transformfont{lmss8ttl12}{\reencodefont{t1-clm}{\fromafm{lmss12}}}
\transformfont{lmss8ttl17}{\reencodefont{t1-clm}{\fromafm{lmss17}}}
\transformfont{lmss8ttl8}{\reencodefont{t1-clm}{\fromafm{lmss8}}}
\transformfont{lmss8ttl9}{\reencodefont{t1-clm}{\fromafm{lmss9}}}
```

```
\transformfont{lmssbo8ttl10}{\reencodefont{t1-clm}{\fromafm{lmssbo10}}}
\transformfont{lmssbx8ttl10}{\reencodefont{t1-clm}{\fromafm{lmssbx10}}}
\transformfont{lmssdc8ttl10}{\reencodefont{t1-clm}{\fromafm{lmssdc10}}}
\transformfont{lmssdo8ttl10}{\reencodefont{t1-clm}{\fromafm{lmssdo10}}}
\transformfont{lmsso8ttl10}{\reencodefont{t1-clm}{\fromafm{lmsso10}}}
\transformfont{lmsso8ttl12}{\reencodefont{t1-clm}{\fromafm{lmsso12}}}
\transformfont{lmsso8ttl17}{\reencodefont{t1-clm}{\fromafm{lmsso17}}}
\transformfont{lmsso8ttl8}{\reencodefont{t1-clm}{\fromafm{lmsso8}}}
\transformfont{lmsso8ttl9}{\reencodefont{t1-clm}{\fromafm{lmsso9}}}
\transformfont{lmssq8ttl8}{\reencodefont{t1-clm}{\fromafm{lmssq8}}}
\transformfont{lmssqbo8ttl8}{\reencodefont{t1-clm}{\fromafm{lmssqbo8}}}
\transformfont{lmssqbx8ttl8}{\reencodefont{t1-clm}{\fromafm{lmssqbx8}}}
\transformfont{lmssqo8ttl8}{\reencodefont{t1-clm}{\fromafm{lmssqo8}}}
\transformfont{lmtcsc8ttl10}{\reencodefont{t1-clm}{\fromafm{lmtcsc10}}}
\transformfont{lmtcso8ttl10}{\reencodefont{t1-clm}{\fromafm{lmtcso10}}}
\transformfont{lmtk8ttl10}{\reencodefont{t1-clm}{\fromafm{lmtk10}}}
\transformfont{lmtko8ttl10}{\reencodefont{t1-clm}{\fromafm{lmtko10}}}
\transformfont{lmtl8ttl10}{\reencodefont{t1-clm}{\fromafm{lmtl10}}}
\transformfont{lmtlc8ttl10}{\reencodefont{t1-clm}{\fromafm{lmtlc10}}}
\transformfont{lmtlco8ttl10}{\reencodefont{t1-clm}{\fromafm{lmtlco10}}}
\transformfont{lmtlo8ttl10}{\reencodefont{t1-clm}{\fromafm{lmtlo10}}}
\transformfont{lmtt8ttl10}{\reencodefont{t1-clm}{\fromafm{lmtt10}}}
\transformfont{lmtt8ttl12}{\reencodefont{t1-clm}{\fromafm{lmtt12}}}
\transformfont{lmtt8ttl8}{\reencodefont{t1-clm}{\fromafm{lmtt8}}}
\transformfont{lmtt8ttl9}{\reencodefont{t1-clm}{\fromafm{lmtt9}}}
\transformfont{lmtti8ttl10}{\reencodefont{t1-clm}{\fromafm{lmtti10}}}
\transformfont{lmtto8ttl10}{\reencodefont{t1-clm}{\fromafm{lmtto10}}}
\transformfont{lmvtk8ttl10}{\reencodefont{t1-clm}{\fromafm{lmvtk10}}}
\transformfont{lmvtko8ttl10}{\reencodefont{t1-clm}{\fromafm{lmvtko10}}}
\transformfont{lmvtl8ttl10}{\reencodefont{t1-clm}{\fromafm{lmvtl10}}}
\transformfont{lmvtlo8ttl10}{\reencodefont{t1-clm}{\fromafm{lmvtlo10}}}
\transformfont{lmvtt8ttl10}{\reencodefont{t1-clm}{\fromafm{lmvtt10}}}
\transformfont{lmvtto8ttl10}{\reencodefont{t1-clm}{\fromafm{lmvtto10}}}
\transformfont{lmdunh8ttl10}{\reencodefont{t1-clm}{\fromafm{lmdunh10}}}
\transformfont{lmduno8ttl10}{\reencodefont{t1-clm}{\fromafm{lmduno10}}}
```

Reencode alternative digits (proportional, proportional osf, tabular osf, zero.slash)

```
\transformfont{dd-lmb10}{\reencodefont{dotdigits}{\fromafm{lmb10}}}
\transformfont{dd-lmbo10}{\reencodefont{dotdigits}{\fromafm{lmbo10}}}
\transformfont{dd-lmbx10}{\reencodefont{dotdigits}{\fromafm{lmbx10}}}
\transformfont{dd-lmbx12}{\reencodefont{dotdigits}{\fromafm{lmbx12}}}
\transformfont{dd-lmbx5}{\reencodefont{dotdigits}{\fromafm{lmbx5}}}
\transformfont{dd-lmbx6}{\reencodefont{dotdigits}{\fromafm{lmbx6}}}
\transformfont{dd-lmbx7}{\reencodefont{dotdigits}{\fromafm{lmbx7}}}
\transformfont{dd-lmbx8}{\reencodefont{dotdigits}{\fromafm{lmbx8}}}
\transformfont{dd-lmbx9}{\reencodefont{dotdigits}{\fromafm{lmbx9}}}
\transformfont{dd-lmbxi10}{\reencodefont{dotdigits}{\fromafm{lmbxi10}}}
\transformfont{dd-lmbxo10}{\reencodefont{dotdigits}{\fromafm{lmbxo10}}}
\transformfont{dd-lmcsc10}{\reencodefont{dotdigits}{\fromafm{lmcsc10}}}
\transformfont{dd-lmcsco10}{\reencodefont{dotdigits}{\fromafm{lmcsco10}}}
\transformfont{dd-lmr10}{\reencodefont{dotdigits}{\fromafm{lmr10}}}
\transformfont{dd-lmr12}{\reencodefont{dotdigits}{\fromafm{lmr12}}}
\transformfont{dd-lmr17}{\reencodefont{dotdigits}{\fromafm{lmr17}}}
\transformfont{dd-lmr5}{\reencodefont{dotdigits}{\fromafm{lmr5}}}
\transformfont{dd-lmr6}{\reencodefont{dotdigits}{\fromafm{lmr6}}}
\transformfont{dd-lmr7}{\reencodefont{dotdigits}{\fromafm{lmr7}}}
\transformfont{dd-lmr8}{\reencodefont{dotdigits}{\fromafm{lmr8}}}
\transformfont{dd-lmr9}{\reencodefont{dotdigits}{\fromafm{lmr9}}}
\transformfont{dd-lmri10}{\reencodefont{dotdigits}{\fromafm{lmri10}}}
\transformfont{dd-lmri12}{\reencodefont{dotdigits}{\fromafm{lmri12}}}
\transformfont{dd-lmri7}{\reencodefont{dotdigits}{\fromafm{lmri7}}}
```

```
\transformfont{dd-lmri8}{\reencodefont{dotdigits}{\fromafm{lmri8}}}
\transformfont{dd-lmri9}{\reencodefont{dotdigits}{\fromafm{lmri9}}}
\transformfont{dd-lmro10}{\reencodefont{dotdigits}{\fromafm{lmro10}}}
\transformfont{dd-lmro12}{\reencodefont{dotdigits}{\fromafm{lmro12}}}
\transformfont{dd-lmro17}{\reencodefont{dotdigits}{\fromafm{lmro17}}}
\transformfont{dd-lmro8}{\reencodefont{dotdigits}{\fromafm{lmro8}}}
\transformfont{dd-lmro9}{\reencodefont{dotdigits}{\fromafm{lmro9}}}
\transformfont{dd-lmu10}{\reencodefont{dotdigits}{\fromafm{lmu10}}}
\transformfont{dd-lmss10}{\reencodefont{dotdigits}{\fromafm{lmss10}}}
\transformfont{dd-lmss12}{\reencodefont{dotdigits}{\fromafm{lmss12}}}
\transformfont{dd-lmss17}{\reencodefont{dotdigits}{\fromafm{lmss17}}}
\transformfont{dd-lmss8}{\reencodefont{dotdigits}{\fromafm{lmss8}}}
\transformfont{dd-lmss9}{\reencodefont{dotdigits}{\fromafm{lmss9}}}
\transformfont{dd-lmssbo10}{\reencodefont{dotdigits}{\fromafm{lmssbo10}}}
\transformfont{dd-lmssbx10}{\reencodefont{dotdigits}{\fromafm{lmssbx10}}}
\transformfont{dd-lmssdc10}{\reencodefont{dotdigits}{\fromafm{lmssdc10}}}
\transformfont{dd-lmssdo10}{\reencodefont{dotdigits}{\fromafm{lmssdo10}}}
\transformfont{dd-lmsso10}{\reencodefont{dotdigits}{\fromafm{lmsso10}}}
\transformfont{dd-lmsso12}{\reencodefont{dotdigits}{\fromafm{lmsso12}}}
\transformfont{dd-lmsso17}{\reencodefont{dotdigits}{\fromafm{lmsso17}}}
\transformfont{dd-lmsso8}{\reencodefont{dotdigits}{\fromafm{lmsso8}}}
\transformfont{dd-lmsso9}{\reencodefont{dotdigits}{\fromafm{lmsso9}}}
\transformfont{dd-lmssq8}{\reencodefont{dotdigits}{\fromafm{lmssq8}}}
\transformfont{dd-lmssqbo8}{\reencodefont{dotdigits}{\fromafm{lmssqbo8}}}
\transformfont{dd-lmssqbx8}{\reencodefont{dotdigits}{\fromafm{lmssqbx8}}}
\transformfont{dd-lmssqo8}{\reencodefont{dotdigits}{\fromafm{lmssqo8}}}
\transformfont{dd-lmtcsc10}{\reencodefont{dotdigits}{\fromafm{lmtcsc10}}}
\transformfont{dd-lmtcso10}{\reencodefont{dotdigits}{\fromafm{lmtcso10}}}
\transformfont{dd-lmtk10}{\reencodefont{dotdigits}{\fromafm{lmtk10}}}
\transformfont{dd-lmtko10}{\reencodefont{dotdigits}{\fromafm{lmtko10}}}
\transformfont{dd-lmtl10}{\reencodefont{dotdigits}{\fromafm{lmtl10}}}
\transformfont{dd-lmtlc10}{\reencodefont{dotdigits}{\fromafm{lmtlc10}}}
\transformfont{dd-lmtlco10}{\reencodefont{dotdigits}{\fromafm{lmtlco10}}}
\transformfont{dd-lmtlo10}{\reencodefont{dotdigits}{\fromafm{lmtlo10}}}
\transformfont{dd-lmtt10}{\reencodefont{dotdigits}{\fromafm{lmtt10}}}
\transformfont{dd-lmtt12}{\reencodefont{dotdigits}{\fromafm{lmtt12}}}
\transformfont{dd-lmtt8}{\reencodefont{dotdigits}{\fromafm{lmtt8}}}
\transformfont{dd-lmtt9}{\reencodefont{dotdigits}{\fromafm{lmtt9}}}
\transformfont{dd-lmtti10}{\reencodefont{dotdigits}{\fromafm{lmtti10}}}
\transformfont{dd-lmtto10}{\reencodefont{dotdigits}{\fromafm{lmtto10}}}
\transformfont{dd-lmvtk10}{\reencodefont{dotdigits}{\fromafm{lmvtk10}}}
\transformfont{dd-lmvtko10}{\reencodefont{dotdigits}{\fromafm{lmvtko10}}}
\transformfont{dd-lmvtl10}{\reencodefont{dotdigits}{\fromafm{lmvtl10}}}
\transformfont{dd-lmvtlo10}{\reencodefont{dotdigits}{\fromafm{lmvtlo10}}}
\transformfont{dd-lmvtt10}{\reencodefont{dotdigits}{\fromafm{lmvtt10}}}
\transformfont{dd-lmvtto10}{\reencodefont{dotdigits}{\fromafm{lmvtto10}}}
\transformfont{dd-lmdunh10}{\reencodefont{dotdigits}{\fromafm{lmdunh10}}}
\transformfont{dd-lmduno10}{\reencodefont{dotdigits}{\fromafm{lmduno10}}}
```

Installation: creation of virtual fonts

```
\installfonts
```

clm: serif; tabular, lining digits

```
  \installfamily{T1}{clm}{}
  \installfont{clmr8t5}{%
    ec-lmr5 encoding txtfdmns,lmr8ttl5,%
    \metrics\unsetint{acccapheight},newlatin%
  }{t1-clm}{T1}{clm}{m}{n}{<-5.5>}
  \installfont{clmr8t6}{%
    ec-lmr6 encoding txtfdmns,lmr8ttl6,%
```

```
163       \metrics\unsetint{acccapheight},newlatin%
164     }{t1-clm}{T1}{clm}{m}{n}{<5.5-6.5>}
165     \installfont{clmr8t7}{%
166       ec-lmr7 encoding txtfdmns,lmr8ttl7,%
167       \metrics\unsetint{acccapheight},newlatin%
168     }{t1-clm}{T1}{clm}{m}{n}{<6.5-7.5>}
169     \installfont{clmr8t8}{%
170       ec-lmr8 encoding txtfdmns,lmr8ttl8,%
171       \metrics\unsetint{acccapheight},newlatin%
172     }{t1-clm}{T1}{clm}{m}{n}{<7.5-8.5>}
173     \installfont{clmr8t9}{%
174       ec-lmr9 encoding txtfdmns,lmr8ttl9,%
175       \metrics\unsetint{acccapheight},newlatin%
176     }{t1-clm}{T1}{clm}{m}{n}{<8.5-9.5>}
177     \installfont{clmr8t10}{%
178       ec-lmr10 encoding txtfdmns,lmr8ttl10,%
179       \metrics\unsetint{acccapheight},newlatin%
180     }{t1-clm}{T1}{clm}{m}{n}{<9.5-11>}
181     \installfont{clmr8t12}{%
182       ec-lmr12 encoding txtfdmns,lmr8ttl12,%
183       \metrics\unsetint{acccapheight},newlatin%
184     }{t1-clm}{T1}{clm}{m}{n}{<11-15>}
185     \installfont{clmr8t17}{%
186       ec-lmr17 encoding txtfdmns,lmr8ttl17,%
187       \metrics\unsetint{acccapheight},newlatin%
188     }{t1-clm}{T1}{clm}{m}{n}{<15->}
189     \installfont{clmro8t8}{%
190       ec-lmro8 encoding txtfdmns,lmro8ttl8,%
191       \metrics\unsetint{acccapheight},newlatin%
192     }{t1-clm}{T1}{clm}{m}{sl}{<-8.5>}
193     \installfont{clmro8t9}{%
194       ec-lmro9 encoding txtfdmns,lmro8ttl9,%
195       \metrics\unsetint{acccapheight},newlatin%
196     }{t1-clm}{T1}{clm}{m}{sl}{<8.5-9.5>}
197     \installfont{clmro8t10}{%
198       ec-lmro10 encoding txtfdmns,lmro8ttl10,%
199       \metrics\unsetint{acccapheight},newlatin%
200     }{t1-clm}{T1}{clm}{m}{sl}{<9.5-11>}
201     \installfont{clmro8t12}{%
202       ec-lmro12 encoding txtfdmns,lmro8ttl12,%
203       \metrics\unsetint{acccapheight},newlatin%
204     }{t1-clm}{T1}{clm}{m}{sl}{<11-15>}
205     \installfont{clmro8t17}{%
206       ec-lmro17 encoding txtfdmns,lmro8ttl17,%
207       \metrics\unsetint{acccapheight},newlatin%
208     }{t1-clm}{T1}{clm}{m}{sl}{<15->}
209     \installfont{clmri8t7}{%
210       ec-lmri7 encoding txtfdmns,lmri8ttl7,%
211       \metrics\unsetint{acccapheight},newlatin%
212     }{t1-clm}{T1}{clm}{m}{it}{<-7.5>}
213     \installfont{clmri8t8}{%
214       ec-lmri8 encoding txtfdmns,lmri8ttl8,%
215       \metrics\unsetint{acccapheight},newlatin%
216     }{t1-clm}{T1}{clm}{m}{it}{<7.5-8.5>}
217     \installfont{clmri8t9}{%
218       ec-lmri9 encoding txtfdmns,lmri8ttl9,%
219       \metrics\unsetint{acccapheight},newlatin%
220     }{t1-clm}{T1}{clm}{m}{it}{<8.5-9.5>}
221     \installfont{clmri8t10}{%
222       ec-lmri10 encoding txtfdmns,lmri8ttl10,%
223       \metrics\unsetint{acccapheight},newlatin%
```

```
}{t1-clm}{T1}{clm}{m}{it}{<9.5-11>}
\installfont{clmri8t12}{%
  ec-lmri12 encoding txtfdmns,lmri8ttl12,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clm}{m}{it}{<11->}
\installfont{clmu8t10}{%
  ec-lmu10 encoding txtfdmns,lmu8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clm}{m}{ui}{}
\installfont{clmcsc8t10}{%
  ec-lmcsc10 encoding txtfdmns,lmcsc8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clm}{m}{sc}{}
\installfont{clmcsco8t10}{%
  ec-lmcsco10 encoding txtfdmns,lmcsco8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clm}{m}{scsl}{}
```

Repeat for bold fonts

```
\installfont{clmbx8t5}{%
  ec-lmbx5 encoding txtfdmns,lmbx8ttl5,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clm}{bx}{n}{<-5.5>}
\installfont{clmbx8t6}{%
  ec-lmbx6 encoding txtfdmns,lmbx8ttl6,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clm}{bx}{n}{<5.5-6.5>}
\installfont{clmbx8t7}{%
  ec-lmbx7 encoding txtfdmns,lmbx8ttl7,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clm}{bx}{n}{<6.5-7.5>}
\installfont{clmbx8t8}{%
  ec-lmbx8 encoding txtfdmns,lmbx8ttl8,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clm}{bx}{n}{<7.5-8.5>}
\installfont{clmbx8t9}{%
  ec-lmbx9 encoding txtfdmns,lmbx8ttl9,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clm}{bx}{n}{<8.5-9.5>}
\installfont{clmbx8t10}{%
  ec-lmbx10 encoding txtfdmns,lmbx8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clm}{bx}{n}{<9.5-11>}
\installfont{clmbx8t12}{%
  ec-lmbx12 encoding txtfdmns,lmbx8ttl12,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clm}{bx}{n}{<11->}
\installfont{clmbxo8t10}{%
  ec-lmbxo10 encoding txtfdmns,lmbxo8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clm}{bx}{sl}{}
\installfont{clmbxi8t10}{%
  ec-lmbxi10 encoding txtfdmns,lmbxi8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clm}{bx}{it}{}
```

Latin Modern default has these installed as bold, but the weight given in the font is demi and the demi weights in the sans-condensed are installed as demi, so I'm going for the same series - sb - here as they choose for those

```
\installfont{clmb8t10}{%
```

```
    ec-lmb10 encoding txtfdmns,lmb8ttl10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{t1-clm}{T1}{clm}{sb}{n}{}
  \installfont{clmbo8t10}{%
    ec-lmbo10 encoding txtfdmns,lmbo8ttl10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{t1-clm}{T1}{clm}{sb}{sl}{}
```

clms: sans; tabular, lining digits

```
  \installfamily{T1}{clms}{}
  \installfont{clmss8t8}{%
    ec-lmss8 encoding txtfdmns,lmss8ttl8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{t1-clm}{T1}{clms}{m}{n}{<-8.5>}
  \installfont{clmss8t9}{%
    ec-lmss9 encoding txtfdmns,lmss8ttl9,%
    \metrics\unsetint{acccapheight},newlatin%
  }{t1-clm}{T1}{clms}{m}{n}{<8.5-9.5>}
  \installfont{clmss8t10}{%
    ec-lmss10 encoding txtfdmns,lmss8ttl10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{t1-clm}{T1}{clms}{m}{n}{<9.5-11>}
  \installfont{clmss8t12}{%
    ec-lmss12 encoding txtfdmns,lmss8ttl12,%
    \metrics\unsetint{acccapheight},newlatin%
  }{t1-clm}{T1}{clms}{m}{n}{<11-15>}
  \installfont{clmss8t17}{%
    ec-lmss17 encoding txtfdmns,lmss8ttl17,%
    \metrics\unsetint{acccapheight},newlatin%
  }{t1-clm}{T1}{clms}{m}{n}{<15->}
  \installfont{clmsso8t8}{%
    ec-lmsso8 encoding txtfdmns,lmsso8ttl8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{t1-clm}{T1}{clms}{m}{sl}{<-8.5>}
  \installfont{clmsso8t9}{%
    ec-lmsso9 encoding txtfdmns,lmsso8ttl9,%
    \metrics\unsetint{acccapheight},newlatin%
  }{t1-clm}{T1}{clms}{m}{sl}{<8.5-9.5>}
  \installfont{clmsso8t10}{%
    ec-lmsso10 encoding txtfdmns,lmsso8ttl10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{t1-clm}{T1}{clms}{m}{sl}{<9.5-11>}
  \installfont{clmsso8t12}{%
    ec-lmsso12 encoding txtfdmns,lmsso8ttl12,%
    \metrics\unsetint{acccapheight},newlatin%
  }{t1-clm}{T1}{clms}{m}{sl}{<11-15>}
  \installfont{clmsso8t17}{%
    ec-lmsso17 encoding txtfdmns,lmsso8ttl17,%
    \metrics\unsetint{acccapheight},newlatin%
  }{t1-clm}{T1}{clms}{m}{sl}{<15->}
  \installfont{clmssbx8t10}{%
    ec-lmssbx10 encoding txtfdmns,lmssbx8ttl10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{t1-clm}{T1}{clms}{bx}{n}{}
  \installfont{clmssbo8t10}{%
    ec-lmssbo10 encoding txtfdmns,lmssbo8ttl10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{t1-clm}{T1}{clms}{bx}{sl}{}
  \installfont{clmssdc8t10}{%
    ec-lmssdc10 encoding txtfdmns,lmssdc8ttl10,%
    \metrics\unsetint{acccapheight},newlatin%
```

```
337     }{t1-clm}{T1}{clms}{sbc}{n}{}
338     \installfont{clmssdo8t10}{%
339       ec-lmssdo10 encoding txtfdmns,lmssdo8ttl10,%
340       \metrics\unsetint{acccapheight},newlatin%
341     }{t1-clm}{T1}{clms}{sbc}{sl}{}
```

clmqs: sans; tabular, lining digits `\fontinstcc` and `\normalcc` ensure `@` is treated correctly when writing out font definition files. (This is not necessary in scaling factors since we treat those as strings.)

```
342     \fontinstcc
343     \installfamily{T1}{clmqs}{\hyphenchar\font=\m@ne}
344     \normalcc
345     \installfont{clmssq8t8}{%
346       ec-lmssq8 encoding txtfdmns,lmssq8ttl8,%
347       \metrics\unsetint{acccapheight},newlatin%
348     }{t1-clm}{T1}{clmqs}{m}{n}{}
349     \installfont{clmssqo8t8}{%
350       ec-lmssqo8 encoding txtfdmns,lmssqo8ttl8,%
351       \metrics\unsetint{acccapheight},newlatin%
352     }{t1-clm}{T1}{clmqs}{m}{sl}{}
353     \installfont{clmssqbx8t8}{%
354       ec-lmssqbx8 encoding txtfdmns,lmssqbx8ttl8,%
355       \metrics\unsetint{acccapheight},newlatin%
356     }{t1-clm}{T1}{clmqs}{bx}{n}{}
357     \installfont{clmssqbo8t8}{%
358       ec-lmssqbo8 encoding txtfdmns,lmssqbo8ttl8,%
359       \metrics\unsetint{acccapheight},newlatin%
360     }{t1-clm}{T1}{clmqs}{bx}{sl}{}
```

clmt: mono/typewriter; tabular, lining digits

```
361     \fontinstcc
362     \installfamily{T1}{clmt}{\hyphenchar\font=\m@ne}
363     \normalcc
364     \installfont{clmtt8t8}{%
365       ec-lmtt8 encoding txtfdmns,lmtt8ttl8,%
366       \metrics\unsetint{acccapheight},newlatin%
367     }{t1-clm}{T1}{clmt}{m}{n}{<-8.5>}
368     \installfont{clmtt8t9}{%
369       ec-lmtt9 encoding txtfdmns,lmtt8ttl9,%
370       \metrics\unsetint{acccapheight},newlatin%
371     }{t1-clm}{T1}{clmt}{m}{n}{<8.5-9.5>}
372     \installfont{clmtt8t10}{%
373       ec-lmtt10 encoding txtfdmns,lmtt8ttl10,%
374       \metrics\unsetint{acccapheight},newlatin%
375     }{t1-clm}{T1}{clmt}{m}{n}{<9.5-11>}
376     \installfont{clmtt8t12}{%
377       ec-lmtt12 encoding txtfdmns,lmtt8ttl12,%
378       \metrics\unsetint{acccapheight},newlatin%
379     }{t1-clm}{T1}{clmt}{m}{n}{<11->}
380     \installfont{clmtto8t10}{%
381       ec-lmtto10 encoding txtfdmns,lmtto8ttl10,%
382       \metrics\unsetint{acccapheight},newlatin%
383     }{t1-clm}{T1}{clmt}{m}{sl}{}
384     \installfont{clmtti8t10}{%
385       ec-lmtti10 encoding txtfdmns,lmtti8ttl10,%
386       \metrics\unsetint{acccapheight},newlatin%
387     }{t1-clm}{T1}{clmt}{m}{it}{}
388     \installfont{clmtcsc8t10}{%
389       ec-lmtcsc10 encoding txtfdmns,lmtcsc8ttl10,%
390       \metrics\unsetint{acccapheight},newlatin%
```

```
}{t1-clm}{T1}{clmt}{m}{sc}{}
\installfont{clmtcso8t10}{%
  ec-lmtcso10 encoding txtfdmns,lmtcso8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clmt}{m}{scsl}{}
\installfont{clmtk8t10}{%
  ec-lmtk10 encoding txtfdmns,lmtk8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clmt}{bx}{n}{}
\installfont{clmtko8t10}{%
  ec-lmtko10 encoding txtfdmns,lmtko8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clmt}{bx}{sl}{}
\installfont{clmtl8t10}{%
  ec-lmtl10 encoding txtfdmns,lmtl8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clmt}{l}{n}{}
\installfont{clmtlo8t10}{%
  ec-lmtlo10 encoding txtfdmns,lmtlo8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clmt}{l}{sl}{}
\installfont{clmtlc8t10}{%
  ec-lmtlc10 encoding txtfdmns,lmtlc8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clmt}{lc}{n}{}
\installfont{clmtlco8t10}{%
  ec-lmtlco10 encoding txtfdmns,lmtlco8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clmt}{lc}{sl}{}
```

clmv: variable typewriter; tabular, lining digits

```
\fontinstcc
\installfamily{T1}{clmv}{\hyphenchar\font=\m@ne}
\normalcc
\installfont{clmvtt8t10}{%
  ec-lmvtt10 encoding txtfdmns,lmvtt8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clmv}{m}{n}{}
\installfont{clmvtto8t10}{%
  ec-lmvtto10 encoding txtfdmns,lmvtto8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clmv}{m}{sl}{}
\installfont{clmvtk8t10}{%
  ec-lmvtk10 encoding txtfdmns,lmvtk8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clmv}{bx}{n}{}
\installfont{clmvtko8t10}{%
  ec-lmvtko10 encoding txtfdmns,lmvtko8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clmv}{bx}{sl}{}
\installfont{clmvtl8t10}{%
  ec-lmvtl10 encoding txtfdmns,lmvtl8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clmv}{l}{n}{}
\installfont{clmvtlo8t10}{%
  ec-lmvtlo10 encoding txtfdmns,lmvtlo8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clmv}{l}{sl}{}
```

clmd: dunh; tabular, lining digits

```
\fontinstcc
\installfamily{T1}{clmd}{\hyphenchar\font=45}
\normalcc
\installfont{clmdunh8t10}{%
  ec-lmdunh10 encoding txtfdmns,lmdunh8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clmd}{m}{n}{}
\installfont{clmduno8t10}{%
  ec-lmduno10 encoding txtfdmns,lmduno8ttl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{t1-clm}{T1}{clmd}{m}{sl}{}
```

Now create families with (tabular) oldstyle figures by default.

clmj

```
\installfamily{T1}{clmj}{}
\installfont{clmrj8t5}{%
  ec-lmr5 encoding txtfdmns,lmr8ttl5,dd-lmr5,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmj}{m}{n}{<-5.5>}
\installfont{clmrj8t6}{%
  ec-lmr6 encoding txtfdmns,lmr8ttl6,dd-lmr6,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmj}{m}{n}{<5.5-6.5>}
\installfont{clmrj8t7}{%
  ec-lmr7 encoding txtfdmns,lmr8ttl7,dd-lmr7,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmj}{m}{n}{<6.5-7.5>}
\installfont{clmrj8t8}{%
  ec-lmr8 encoding txtfdmns,lmr8ttl8,dd-lmr8,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmj}{m}{n}{<7.5-8.5>}
\installfont{clmrj8t9}{%
  ec-lmr9 encoding txtfdmns,lmr8ttl9,dd-lmr9,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmj}{m}{n}{<8.5-9.5>}
\installfont{clmrj8t10}{%
  ec-lmr10 encoding txtfdmns,lmr8ttl10,dd-lmr10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmj}{m}{n}{<9.5-11>}
\installfont{clmrj8t12}{%
  ec-lmr12 encoding txtfdmns,lmr8ttl12,dd-lmr12,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmj}{m}{n}{<11-15>}
\installfont{clmrj8t17}{%
  ec-lmr17 encoding txtfdmns,lmr8ttl17,dd-lmr17,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmj}{m}{n}{<15->}
\installfont{clmrjo8t8}{%
  ec-lmro8 encoding txtfdmns,lmro8ttl8,dd-lmro8,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmj}{m}{sl}{<-8.5>}
\installfont{clmrjo8t9}{%
  ec-lmro9 encoding txtfdmns,lmro8ttl9,dd-lmro9,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmj}{m}{sl}{<8.5-9.5>}
\installfont{clmrjo8t10}{%
  ec-lmro10 encoding txtfdmns,lmro8ttl10,dd-lmro10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmj}{m}{sl}{<9.5-11>}
\installfont{clmrjo8t12}{%
```

```
    ec-lmro12 encoding txtfdmns,lmro8ttl12,dd-lmro12,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmj}{m}{sl}{<11-15>}
  \installfont{clmrjo8t17}{%
    ec-lmro17 encoding txtfdmns,lmro8ttl17,dd-lmro17,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmj}{m}{sl}{<15->}
  \installfont{clmrji8t7}{%
    ec-lmri7 encoding txtfdmns,lmri8ttl7,dd-lmri7,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmj}{m}{it}{<-7.5>}
  \installfont{clmrji8t8}{%
    ec-lmri8 encoding txtfdmns,lmri8ttl8,dd-lmri8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmj}{m}{it}{<7.5-8.5>}
  \installfont{clmrji8t9}{%
    ec-lmri9 encoding txtfdmns,lmri8ttl9,dd-lmri9,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmj}{m}{it}{<8.5-9.5>}
  \installfont{clmrji8t10}{%
    ec-lmri10 encoding txtfdmns,lmri8ttl10,dd-lmri10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmj}{m}{it}{<9.5-11>}
  \installfont{clmrji8t12}{%
    ec-lmri12 encoding txtfdmns,lmri8ttl12,dd-lmri12,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmj}{m}{it}{<11->}
  \installfont{clmuj8t10}{%
    ec-lmu10 encoding txtfdmns,lmu8ttl10,dd-lmu10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmj}{m}{ui}{}
  \installfont{clmcscj8t10}{%
    ec-lmcsc10 encoding txtfdmns,lmcsc8ttl10,dd-lmcsc10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmj}{m}{sc}{}
  \installfont{clmcscjo8t10}{%
    ec-lmcsco10 encoding txtfdmns,lmcsco8ttl10,dd-lmcsco10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmj}{m}{scsl}{}
```

Repeat for bold fonts

```
  \installfont{clmbxj8t5}{%
    ec-lmbx5 encoding txtfdmns,lmbx8ttl5,dd-lmbx5,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmj}{bx}{n}{<-5.5>}
  \installfont{clmbxj8t6}{%
    ec-lmbx6 encoding txtfdmns,lmbx8ttl6,dd-lmbx6,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmj}{bx}{n}{<5.5-6.5>}
  \installfont{clmbxj8t7}{%
    ec-lmbx7 encoding txtfdmns,lmbx8ttl7,dd-lmbx7,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmj}{bx}{n}{<6.5-7.5>}
  \installfont{clmbxj8t8}{%
    ec-lmbx8 encoding txtfdmns,lmbx8ttl8,dd-lmbx8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmj}{bx}{n}{<7.5-8.5>}
  \installfont{clmbxj8t9}{%
    ec-lmbx9 encoding txtfdmns,lmbx8ttl9,dd-lmbx9,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmj}{bx}{n}{<8.5-9.5>}
```

```
\installfont{clmbxj8t10}{%
  ec-lmbx10 encoding txtfdmns,lmbx8ttl10,dd-lmbx10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmj}{bx}{n}{<9.5-11>}
\installfont{clmbxj8t12}{%
  ec-lmbx12 encoding txtfdmns,lmbx8ttl12,dd-lmbx12,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmj}{bx}{n}{<11->}
\installfont{clmbxjo8t10}{%
  ec-lmbxo10 encoding txtfdmns,lmbxo8ttl10,dd-lmbxo10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmj}{bx}{sl}{}
\installfont{clmbxji8t10}{%
  ec-lmbxi10 encoding txtfdmns,lmbxi8ttl10,dd-lmbxi10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmj}{bx}{it}{}
```

Latin Modern default has these installed as bold, but the weight given in the font is demi and the demi weights in the sans-condensed are installed as demi, so I'm going for the same series - sb - here as they choose for those.

```
\installfont{clmbj8t10}{%
  ec-lmb10 encoding txtfdmns,lmb8ttl10,dd-lmb10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmj}{sb}{n}{}
\installfont{clmbjo8t10}{%
  ec-lmbo10 encoding txtfdmns,lmbo8ttl10,dd-lmbo10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmj}{sb}{sl}{}
```

clmjs

```
\installfamily{T1}{clmjs}{}
\installfont{clmssj8t8}{%
  ec-lmss8 encoding txtfdmns,lmss8ttl8,dd-lmss8,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmjs}{m}{n}{<-8.5>}
\installfont{clmssj8t9}{%
  ec-lmss9 encoding txtfdmns,lmss8ttl9,dd-lmss9,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmjs}{m}{n}{<8.5-9.5>}
\installfont{clmssj8t10}{%
  ec-lmss10 encoding txtfdmns,lmss8ttl10,dd-lmss10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmjs}{m}{n}{<9.5-11>}
\installfont{clmssj8t12}{%
  ec-lmss12 encoding txtfdmns,lmss8ttl12,dd-lmss12,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmjs}{m}{n}{<11-15>}
\installfont{clmssj8t17}{%
  ec-lmss17 encoding txtfdmns,lmss8ttl17,dd-lmss17,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmjs}{m}{n}{<15->}
\installfont{clmssjo8t8}{%
  ec-lmsso8 encoding txtfdmns,lmsso8ttl8,dd-lmsso8,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmjs}{m}{sl}{<-8.5>}
\installfont{clmssjo8t9}{%
  ec-lmsso9 encoding txtfdmns,lmsso8ttl9,dd-lmsso9,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmjs}{m}{sl}{<8.5-9.5>}
\installfont{clmssjo8t10}{%
```

```
    ec-lmsso10 encoding txtfdmns,lmsso8ttl10,dd-lmsso10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmjs}{m}{sl}{<9.5-11>}
  \installfont{clmssjo8t12}{%
    ec-lmsso12 encoding txtfdmns,lmsso8ttl12,dd-lmsso12,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmjs}{m}{sl}{<11-15>}
  \installfont{clmssjo8t17}{%
    ec-lmsso17 encoding txtfdmns,lmsso8ttl17,dd-lmsso17,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmjs}{m}{sl}{<15->}
  \installfont{clmssbxj8t10}{%
    ec-lmssbx10 encoding txtfdmns,lmssbx8ttl10,dd-lmssbx10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmjs}{bx}{n}{}
  \installfont{clmssbjo8t10}{%
    ec-lmssbo10 encoding txtfdmns,lmssbo8ttl10,dd-lmssbo10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmjs}{bx}{sl}{}
  \installfont{clmssdcj8t10}{%
    ec-lmssdc10 encoding txtfdmns,lmssdc8ttl10,dd-lmssdc10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmjs}{sbc}{n}{}
  \installfont{clmssdjo8t10}{%
    ec-lmssdo10 encoding txtfdmns,lmssdo8ttl10,dd-lmssdo10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmjs}{sbc}{sl}{}
```

clmjqs

```
  \fontinstcc
  \installfamily{T1}{clmjqs}{\hyphenchar\font=\m@ne}
  \normalcc
  \installfont{clmssqj8t8}{%
    ec-lmssq8 encoding txtfdmns,lmssq8ttl8,dd-lmssq8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmjqs}{m}{n}{}
  \installfont{clmssqjo8t8}{%
    ec-lmssqo8 encoding txtfdmns,lmssqo8ttl8,dd-lmssqo8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmjqs}{m}{sl}{}
  \installfont{clmssqbxj8t8}{%
    ec-lmssqbx8 encoding txtfdmns,lmssqbx8ttl8,dd-lmssqbx8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmjqs}{bx}{n}{}
  \installfont{clmssqbjo8t8}{%
    ec-lmssqbo8 encoding txtfdmns,lmssqbo8ttl8,dd-lmssqbo8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmjqs}{bx}{sl}{}
```

clmjt

```
  \fontinstcc
  \installfamily{T1}{clmjt}{\hyphenchar\font=\m@ne}
  \normalcc
  \installfont{clmttj8t8}{%
    ec-lmtt8 encoding txtfdmns,lmtt8ttl8,dd-lmtt8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dottaboldstyle,t1-clm}{T1}{clmjt}{m}{n}{<-8.5>}
  \installfont{clmttj8t9}{%
    ec-lmtt9 encoding txtfdmns,lmtt8ttl9,dd-lmtt9,%
    \metrics\unsetint{acccapheight},newlatin%
```

```
673     }{dottaboldstyle,t1-clm}{T1}{clmjt}{m}{n}{<8.5-9.5>}
674     \installfont{clmttj8t10}{%
675       ec-lmtt10 encoding txtfdmns,lmtt8ttl10,dd-lmtt10,%
676       \metrics\unsetint{acccapheight},newlatin%
677     }{dottaboldstyle,t1-clm}{T1}{clmjt}{m}{n}{<9.5-11>}
678     \installfont{clmttj8t12}{%
679       ec-lmtt12 encoding txtfdmns,lmtt8ttl12,dd-lmtt12,%
680       \metrics\unsetint{acccapheight},newlatin%
681     }{dottaboldstyle,t1-clm}{T1}{clmjt}{m}{n}{<11->}
682     \installfont{clmttjo8t10}{%
683       ec-lmtto10 encoding txtfdmns,lmtto8ttl10,dd-lmtto10,%
684       \metrics\unsetint{acccapheight},newlatin%
685     }{dottaboldstyle,t1-clm}{T1}{clmjt}{m}{sl}{}
686     \installfont{clmttij8t10}{%
687       ec-lmtti10 encoding txtfdmns,lmtti8ttl10,dd-lmtti10,%
688       \metrics\unsetint{acccapheight},newlatin%
689     }{dottaboldstyle,t1-clm}{T1}{clmjt}{m}{it}{}
690     \installfont{clmtcscj8t10}{%
691       ec-lmtcsc10 encoding txtfdmns,lmtcsc8ttl10,dd-lmtcsc10,%
692       \metrics\unsetint{acccapheight},newlatin%
693     }{dottaboldstyle,t1-clm}{T1}{clmjt}{m}{sc}{}
694     \installfont{clmtcsjo8t10}{%
695       ec-lmtcso10 encoding txtfdmns,lmtcso8ttl10,dd-lmtcso10,%
696       \metrics\unsetint{acccapheight},newlatin%
697     }{dottaboldstyle,t1-clm}{T1}{clmjt}{m}{scsl}{}
698     \installfont{clmtkj8t10}{%
699       ec-lmtk10 encoding txtfdmns,lmtk8ttl10,dd-lmtk10,%
700       \metrics\unsetint{acccapheight},newlatin%
701     }{dottaboldstyle,t1-clm}{T1}{clmjt}{bx}{n}{}
702     \installfont{clmtkjo8t10}{%
703       ec-lmtko10 encoding txtfdmns,lmtko8ttl10,dd-lmtko10,%
704       \metrics\unsetint{acccapheight},newlatin%
705     }{dottaboldstyle,t1-clm}{T1}{clmjt}{bx}{sl}{}
706     \installfont{clmtlj8t10}{%
707       ec-lmtl10 encoding txtfdmns,lmtl8ttl10,dd-lmtl10,%
708       \metrics\unsetint{acccapheight},newlatin%
709     }{dottaboldstyle,t1-clm}{T1}{clmjt}{l}{n}{}
710     \installfont{clmtljo8t10}{%
711       ec-lmtlo10 encoding txtfdmns,lmtlo8ttl10,dd-lmtlo10,%
712       \metrics\unsetint{acccapheight},newlatin%
713     }{dottaboldstyle,t1-clm}{T1}{clmjt}{l}{sl}{}
714     \installfont{clmtlcj8t10}{%
715       ec-lmtlc10 encoding txtfdmns,lmtlc8ttl10,dd-lmtlc10,%
716       \metrics\unsetint{acccapheight},newlatin%
717     }{dottaboldstyle,t1-clm}{T1}{clmjt}{lc}{n}{}
718     \installfont{clmtlcjo8t10}{%
719       ec-lmtlco10 encoding txtfdmns,lmtlco8ttl10,dd-lmtlco10,%
720       \metrics\unsetint{acccapheight},newlatin%
721     }{dottaboldstyle,t1-clm}{T1}{clmjt}{lc}{sl}{}
```

clmjv

```
722     \fontinstcc
723     \installfamily{T1}{clmjv}{\hyphenchar\font=\m@ne}
724     \normalcc
725     \installfont{clmvttj8t10}{%
726       ec-lmvtt10 encoding txtfdmns,lmvtt8ttl10,dd-lmvtt10,%
727       \metrics\unsetint{acccapheight},newlatin%
728     }{dottaboldstyle,t1-clm}{T1}{clmjv}{m}{n}{}
729     \installfont{clmvttjo8t10}{%
730       ec-lmvtto10 encoding txtfdmns,lmvtto8ttl10,dd-lmvtto10,%
731       \metrics\unsetint{acccapheight},newlatin%
```

```
}{dottaboldstyle,t1-clm}{T1}{clmjv}{m}{sl}{}
\installfont{clmvtkj8t10}{%
  ec-lmvtk10 encoding txtfdmns,lmvtk8ttl10,dd-lmvtk10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmjv}{bx}{n}{}
\installfont{clmvtkjo8t10}{%
  ec-lmvtko10 encoding txtfdmns,lmvtko8ttl10,dd-lmvtko10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmjv}{bx}{sl}{}
\installfont{clmvtlj8t10}{%
  ec-lmvtl10 encoding txtfdmns,lmvtl8ttl10,dd-lmvtl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmjv}{l}{n}{}
\installfont{clmvtljo8t10}{%
  ec-lmvtlo10 encoding txtfdmns,lmvtlo8ttl10,dd-lmvtlo10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmjv}{l}{sl}{}
```

clmdj

```
\fontinstcc
\installfamily{T1}{clmdj}{\hyphenchar\font=45}
\normalcc
\installfont{clmdunhj8t10}{%
  ec-lmdunh10 encoding txtfdmns,lmdunh8ttl10,dd-lmdunh10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmdj}{m}{n}{}
\installfont{clmdunjo8t10}{%
  ec-lmduno10 encoding txtfdmns,lmduno8ttl10,dd-lmduno10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dottaboldstyle,t1-clm}{T1}{clmdj}{m}{sl}{}
```

Proportional, lining digits

clm2

```
\installfamily{T1}{clm2}{}
\installfont{clmr28t5}{%
  ec-lmr5 encoding txtfdmns,lmr8ttl5,dd-lmr5,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotprop,t1-clm}{T1}{clm2}{m}{n}{<-5.5>}
\installfont{clmr28t6}{%
  ec-lmr6 encoding txtfdmns,lmr8ttl6,dd-lmr6,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotprop,t1-clm}{T1}{clm2}{m}{n}{<5.5-6.5>}
\installfont{clmr28t7}{%
  ec-lmr7 encoding txtfdmns,lmr8ttl7,dd-lmr7,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotprop,t1-clm}{T1}{clm2}{m}{n}{<6.5-7.5>}
\installfont{clmr28t8}{%
  ec-lmr8 encoding txtfdmns,lmr8ttl8,dd-lmr8,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotprop,t1-clm}{T1}{clm2}{m}{n}{<7.5-8.5>}
\installfont{clmr28t9}{%
  ec-lmr9 encoding txtfdmns,lmr8ttl9,dd-lmr9,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotprop,t1-clm}{T1}{clm2}{m}{n}{<8.5-9.5>}
\installfont{clmr28t10}{%
  ec-lmr10 encoding txtfdmns,lmr8ttl10,dd-lmr10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotprop,t1-clm}{T1}{clm2}{m}{n}{<9.5-11>}
\installfont{clmr28t12}{%
  ec-lmr12 encoding txtfdmns,lmr8ttl12,dd-lmr12,%
```

```
787       \metrics\unsetint{acccapheight},newlatin%
788     }{dotprop,t1-clm}{T1}{clm2}{m}{n}{<11-15>}
789     \installfont{clmr28t17}{%
790       ec-lmr17 encoding txtfdmns,lmr8ttl17,dd-lmr17,%
791       \metrics\unsetint{acccapheight},newlatin%
792     }{dotprop,t1-clm}{T1}{clm2}{m}{n}{<15->}
793     \installfont{clmr2o8t8}{%
794       ec-lmro8 encoding txtfdmns,lmro8ttl8,dd-lmro8,%
795       \metrics\unsetint{acccapheight},newlatin%
796     }{dotprop,t1-clm}{T1}{clm2}{m}{sl}{<-8.5>}
797     \installfont{clmr2o8t9}{%
798       ec-lmro9 encoding txtfdmns,lmro8ttl9,dd-lmro9,%
799       \metrics\unsetint{acccapheight},newlatin%
800     }{dotprop,t1-clm}{T1}{clm2}{m}{sl}{<8.5-9.5>}
801     \installfont{clmr2o8t10}{%
802       ec-lmro10 encoding txtfdmns,lmro8ttl10,dd-lmro10,%
803       \metrics\unsetint{acccapheight},newlatin%
804     }{dotprop,t1-clm}{T1}{clm2}{m}{sl}{<9.5-11>}
805     \installfont{clmr2o8t12}{%
806       ec-lmro12 encoding txtfdmns,lmro8ttl12,dd-lmro12,%
807       \metrics\unsetint{acccapheight},newlatin%
808     }{dotprop,t1-clm}{T1}{clm2}{m}{sl}{<11-15>}
809     \installfont{clmr2o8t17}{%
810       ec-lmro17 encoding txtfdmns,lmro8ttl17,dd-lmro17,%
811       \metrics\unsetint{acccapheight},newlatin%
812     }{dotprop,t1-clm}{T1}{clm2}{m}{sl}{<15->}
813     \installfont{clmr2i8t7}{%
814       ec-lmri7 encoding txtfdmns,lmri8ttl7,dd-lmri7,%
815       \metrics\unsetint{acccapheight},newlatin%
816     }{dotprop,t1-clm}{T1}{clm2}{m}{it}{<-7.5>}
817     \installfont{clmr2i8t8}{%
818       ec-lmri8 encoding txtfdmns,lmri8ttl8,dd-lmri8,%
819       \metrics\unsetint{acccapheight},newlatin%
820     }{dotprop,t1-clm}{T1}{clm2}{m}{it}{<7.5-8.5>}
821     \installfont{clmr2i8t9}{%
822       ec-lmri9 encoding txtfdmns,lmri8ttl9,dd-lmri9,%
823       \metrics\unsetint{acccapheight},newlatin%
824     }{dotprop,t1-clm}{T1}{clm2}{m}{it}{<8.5-9.5>}
825     \installfont{clmr2i8t10}{%
826       ec-lmri10 encoding txtfdmns,lmri8ttl10,dd-lmri10,%
827       \metrics\unsetint{acccapheight},newlatin%
828     }{dotprop,t1-clm}{T1}{clm2}{m}{it}{<9.5-11>}
829     \installfont{clmr2i8t12}{%
830       ec-lmri12 encoding txtfdmns,lmri8ttl12,dd-lmri12,%
831       \metrics\unsetint{acccapheight},newlatin%
832     }{dotprop,t1-clm}{T1}{clm2}{m}{it}{<11->}
833     \installfont{clmu28t10}{%
834       ec-lmu10 encoding txtfdmns,lmu8ttl10,dd-lmu10,%
835       \metrics\unsetint{acccapheight},newlatin%
836     }{dotprop,t1-clm}{T1}{clm2}{m}{ui}{}
837     \installfont{clmcsc28t10}{%
838       ec-lmcsc10 encoding txtfdmns,lmcsc8ttl10,dd-lmcsc10,%
839       \metrics\unsetint{acccapheight},newlatin%
840     }{dotprop,t1-clm}{T1}{clm2}{m}{sc}{}
841     \installfont{clmcsc2o8t10}{%
842       ec-lmcsco10 encoding txtfdmns,lmcsco8ttl10,dd-lmcsco10,%
843       \metrics\unsetint{acccapheight},newlatin%
844     }{dotprop,t1-clm}{T1}{clm2}{m}{scsl}{}
```

Repeat for bold fonts

```
845     \installfont{clmbx28t5}{%
```

```
    ec-lmbx5 encoding txtfdmns,lmbx8ttl5,dd-lmbx5,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2}{bx}{n}{<-5.5>}
  \installfont{clmbx28t6}{%
    ec-lmbx6 encoding txtfdmns,lmbx8ttl6,dd-lmbx6,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2}{bx}{n}{<5.5-6.5>}
  \installfont{clmbx28t7}{%
    ec-lmbx7 encoding txtfdmns,lmbx8ttl7,dd-lmbx7,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2}{bx}{n}{<6.5-7.5>}
  \installfont{clmbx28t8}{%
    ec-lmbx8 encoding txtfdmns,lmbx8ttl8,dd-lmbx8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2}{bx}{n}{<-8.5>}
  \installfont{clmbx28t9}{%
    ec-lmbx9 encoding txtfdmns,lmbx8ttl9,dd-lmbx9,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2}{bx}{n}{<8.5-9.5>}
  \installfont{clmbx28t10}{%
    ec-lmbx10 encoding txtfdmns,lmbx8ttl10,dd-lmbx10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2}{bx}{n}{<9.5-11>}
  \installfont{clmbx28t12}{%
    ec-lmbx12 encoding txtfdmns,lmbx8ttl12,dd-lmbx12,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2}{bx}{n}{<11->}
  \installfont{clmbx2o8t10}{%
    ec-lmbxo10 encoding txtfdmns,lmbxo8ttl10,dd-lmbxo10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2}{bx}{sl}{}
  \installfont{clmbx2i8t10}{%
    ec-lmbxi10 encoding txtfdmns,lmbxi8ttl10,dd-lmbxi10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2}{bx}{it}{}
```

Latin Modern default has these installed as bold, but the weight given in the font is demi and the demi weights in the sans-condensed are installed as demi, so I'm going for the same series - sb - here as they choose for those.

```
  \installfont{clmb28t10}{%
    ec-lmb10 encoding txtfdmns,lmb8ttl10,dd-lmb10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2}{sb}{n}{}
  \installfont{clmb2o8t10}{%
    ec-lmbo10 encoding txtfdmns,lmbo8ttl10,dd-lmbo10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2}{sb}{sl}{}
```

clm2s

```
  \installfamily{T1}{clm2s}{}
  \installfont{clmss28t8}{%
    ec-lmss8 encoding txtfdmns,lmss8ttl8,dd-lmss8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2s}{m}{n}{<-8.5>}
  \installfont{clmss28t9}{%
    ec-lmss9 encoding txtfdmns,lmss8ttl9,dd-lmss9,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2s}{m}{n}{<8.5-9.5>}
  \installfont{clmss28t10}{%
    ec-lmss10 encoding txtfdmns,lmss8ttl10,dd-lmss10,%
```

```
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2s}{m}{n}{<9.5-11>}
  \installfont{clmss28t12}{%
    ec-lmss12 encoding txtfdmns,lmss8ttl12,dd-lmss12,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2s}{m}{n}{<11-15>}
  \installfont{clmss28t17}{%
    ec-lmss17 encoding txtfdmns,lmss8ttl17,dd-lmss17,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2s}{m}{n}{<15->}
  \installfont{clmsso28t8}{%
    ec-lmsso8 encoding txtfdmns,lmsso8ttl8,dd-lmsso8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2s}{m}{sl}{<-8.5>}
  \installfont{clmsso28t9}{%
    ec-lmsso9 encoding txtfdmns,lmsso8ttl9,dd-lmsso9,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2s}{m}{sl}{<8.5-9.5>}
  \installfont{clmsso28t10}{%
    ec-lmsso10 encoding txtfdmns,lmsso8ttl10,dd-lmsso10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2s}{m}{sl}{<9.5-11>}
  \installfont{clmsso28t12}{%
    ec-lmsso12 encoding txtfdmns,lmsso8ttl12,dd-lmsso12,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2s}{m}{sl}{<11-15>}
  \installfont{clmsso28t17}{%
    ec-lmsso17 encoding txtfdmns,lmsso8ttl17,dd-lmsso17,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2s}{m}{sl}{<15->}
  \installfont{clmssbx28t10}{%
    ec-lmssbx10 encoding txtfdmns,lmssbx8ttl10,dd-lmssbx10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2s}{bx}{n}{}
  \installfont{clmssb2o8t10}{%
    ec-lmssbo10 encoding txtfdmns,lmssbo8ttl10,dd-lmssbo10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2s}{bx}{sl}{}
  \installfont{clmssdc28t10}{%
    ec-lmssdc10 encoding txtfdmns,lmssdc8ttl10,dd-lmssdc10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2s}{sbc}{n}{}
  \installfont{clmssd2o8t10}{%
    ec-lmssdo10 encoding txtfdmns,lmssdo8ttl10,dd-lmssdo10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2s}{sbc}{sl}{}
```

clm2qs

```
  \fontinstcc
  \installfamily{T1}{clm2qs}{\hyphenchar\font=\m@ne}
  \normalcc
  \installfont{clmssq28t8}{%
    ec-lmssq8 encoding txtfdmns,lmssq8ttl8,dd-lmssq8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2qs}{m}{n}{}
  \installfont{clmssq2o8t8}{%
    ec-lmssqo8 encoding txtfdmns,lmssqo8ttl8,dd-lmssqo8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2qs}{m}{sl}{}
  \installfont{clmssqbx28t8}{%
    ec-lmssqbx8 encoding txtfdmns,lmssqbx8ttl8,dd-lmssqbx8,%
```

```
959       \metrics\unsetint{acccapheight},newlatin%
960     }{dotprop,t1-clm}{T1}{clm2qs}{bx}{n}{}
961     \installfont{clmssqb2o8t8}{%
962       ec-lmssqbo8 encoding txtfdmns,lmssqbo8ttl8,dd-lmssqbo8,%
963       \metrics\unsetint{acccapheight},newlatin%
964     }{dotprop,t1-clm}{T1}{clm2qs}{bx}{sl}{}
```

clm2v

```
965     \fontinstcc
966     \installfamily{T1}{clm2v}{\hyphenchar\font=\m@ne}
967     \normalcc
968     \installfont{clmvtt28t10}{%
969       ec-lmvtt10 encoding txtfdmns,lmvtt8ttl10,dd-lmvtt10,%
970       \metrics\unsetint{acccapheight},newlatin%
971     }{dotprop,t1-clm}{T1}{clm2v}{m}{n}{}
972     \installfont{clmvtt2o8t10}{%
973       ec-lmvtto10 encoding txtfdmns,lmvtto8ttl10,dd-lmvtto10,%
974       \metrics\unsetint{acccapheight},newlatin%
975     }{dotprop,t1-clm}{T1}{clm2v}{m}{sl}{}
976     \installfont{clmvtk28t10}{%
977       ec-lmvtk10 encoding txtfdmns,lmvtk8ttl10,dd-lmvtk10,%
978       \metrics\unsetint{acccapheight},newlatin%
979     }{dotprop,t1-clm}{T1}{clm2v}{bx}{n}{}
980     \installfont{clmvtk2o8t10}{%
981       ec-lmvtko10 encoding txtfdmns,lmvtko8ttl10,dd-lmvtko10,%
982       \metrics\unsetint{acccapheight},newlatin%
983     }{dotprop,t1-clm}{T1}{clm2v}{bx}{sl}{}
984     \installfont{clmvtl28t10}{%
985       ec-lmvtl10 encoding txtfdmns,lmvtl8ttl10,dd-lmvtl10,%
986       \metrics\unsetint{acccapheight},newlatin%
987     }{dotprop,t1-clm}{T1}{clm2v}{l}{n}{}
988     \installfont{clmvtl2o8t10}{%
989       ec-lmvtlo10 encoding txtfdmns,lmvtlo8ttl10,dd-lmvtlo10,%
990       \metrics\unsetint{acccapheight},newlatin%
991     }{dotprop,t1-clm}{T1}{clm2v}{l}{sl}{}
```

clm2t

```
992     \fontinstcc
993     \installfamily{T1}{clm2t}{\hyphenchar\font=\m@ne}
994     \normalcc
995     \installfontas{clmtt8t8}{T1}{clm2t}{m}{n}{<-8.5>}
996     \installfontas{clmtt8t9}{T1}{clm2t}{m}{n}{<8.5-9.5>}
997     \installfontas{clmtt8t10}{T1}{clm2t}{m}{n}{<9.5-11>}
998     \installfontas{clmtt8t12}{T1}{clm2t}{m}{n}{<11->}
999     \installfontas{clmtto8t10}{T1}{clm2t}{m}{sl}{}
1000    \installfontas{clmtti8t10}{T1}{clm2t}{m}{it}{}
1001    \installfontas{clmtcsc8t10}{T1}{clm2t}{m}{sc}{}
1002    \installfontas{clmtcso8t10}{T1}{clm2t}{m}{scsl}{}
1003    \installfontas{clmtk8t10}{T1}{clm2t}{bx}{n}{}
1004    \installfontas{clmtko8t10}{T1}{clm2t}{bx}{sl}{}
1005    \installfontas{clmtl8t10}{T1}{clm2t}{l}{n}{}
1006    \installfontas{clmtlo8t10}{T1}{clm2t}{l}{sl}{}
1007    \installfontas{clmtlc8t10}{T1}{clm2t}{lc}{n}{}
1008    \installfontas{clmtlco8t10}{T1}{clm2t}{lc}{sl}{}
```

clm2d

```
1009    \fontinstcc
1010    \installfamily{T1}{clm2d}{\hyphenchar\font=45}
1011    \normalcc
1012    \installfont{clmdunh28t10}{%
```

```
    ec-lmdunh10 encoding txtfdmns,lmdunh8ttl10,dd-lmdunh10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2d}{m}{n}{}
  \installfont{clmdun2o8t10}{%
    ec-lmduno10 encoding txtfdmns,lmduno8ttl10,dd-lmduno10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotprop,t1-clm}{T1}{clm2d}{m}{sl}{}
```

Proportional, oldstyle digits

clm2j

```
  \installfamily{T1}{clm2j}{}
  \installfont{clmr2j8t5}{%
    ec-lmr5 encoding txtfdmns,lmr8ttl5,dd-lmr5,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{n}{<-5.5>}
  \installfont{clmr2j8t6}{%
    ec-lmr6 encoding txtfdmns,lmr8ttl6,dd-lmr6,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{n}{<5.5-6.5>}
  \installfont{clmr2j8t7}{%
    ec-lmr7 encoding txtfdmns,lmr8ttl7,dd-lmr7,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{n}{<6.5-7.5>}
  \installfont{clmr2j8t8}{%
    ec-lmr8 encoding txtfdmns,lmr8ttl8,dd-lmr8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{n}{<7.5-8.5>}
  \installfont{clmr2j8t9}{%
    ec-lmr9 encoding txtfdmns,lmr8ttl9,dd-lmr9,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{n}{<8.5-9.5>}
  \installfont{clmr2j8t10}{%
    ec-lmr10 encoding txtfdmns,lmr8ttl10,dd-lmr10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{n}{<9.5-11>}
  \installfont{clmr2j8t12}{%
    ec-lmr12 encoding txtfdmns,lmr8ttl12,dd-lmr12,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{n}{<11-15>}
  \installfont{clmr2j8t17}{%
    ec-lmr17 encoding txtfdmns,lmr8ttl17,dd-lmr17,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{n}{<15->}
  \installfont{clmr2jo8t8}{%
    ec-lmro8 encoding txtfdmns,lmro8ttl8,dd-lmro8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{sl}{<-8.5>}
  \installfont{clmr2jo8t9}{%
    ec-lmro9 encoding txtfdmns,lmro8ttl9,dd-lmro9,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{sl}{<8.5-9.5>}
  \installfont{clmr2jo8t10}{%
    ec-lmro10 encoding txtfdmns,lmro8ttl10,dd-lmro10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{sl}{<9.5-11>}
  \installfont{clmr2jo8t12}{%
    ec-lmro12 encoding txtfdmns,lmro8ttl12,dd-lmro12,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{sl}{<11-15>}
  \installfont{clmr2jo8t17}{%
```

```
    ec-lmro17 encoding txtfdmns,lmro8ttl17,dd-lmro17,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{sl}{<15->}
  \installfont{clmr2ij8t7}{%
    ec-lmri7 encoding txtfdmns,lmri8ttl7,dd-lmri7,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{it}{<-7.5>}
  \installfont{clmr2ij8t8}{%
    ec-lmri8 encoding txtfdmns,lmri8ttl8,dd-lmri8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{it}{<7.5-8.5>}
  \installfont{clmr2ij8t9}{%
    ec-lmri9 encoding txtfdmns,lmri8ttl9,dd-lmri9,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{it}{<8.5-9.5>}
  \installfont{clmr2ij8t10}{%
    ec-lmri10 encoding txtfdmns,lmri8ttl10,dd-lmri10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{it}{<9.5-11>}
  \installfont{clmr2ij8t12}{%
    ec-lmri12 encoding txtfdmns,lmri8ttl12,dd-lmri12,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{it}{<11->}
  \installfont{clmu2j8t10}{%
    ec-lmu10 encoding txtfdmns,lmu8ttl10,dd-lmu10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{ui}{}
  \installfont{clmcsc2j8t10}{%
    ec-lmcsc10 encoding txtfdmns,lmcsc8ttl10,dd-lmcsc10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{sc}{}
  \installfont{clmcsc2jo8t10}{%
    ec-lmcsco10 encoding txtfdmns,lmcsco8ttl10,dd-lmcsco10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{m}{scsl}{}
```

Repeat for bold fonts

```
  \installfont{clmbx2j8t5}{%
    ec-lmbx5 encoding txtfdmns,lmbx8ttl5,dd-lmbx5,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{bx}{n}{<-5.5>}
  \installfont{clmbx2j8t6}{%
    ec-lmbx6 encoding txtfdmns,lmbx8ttl6,dd-lmbx6,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{bx}{n}{<5.5-6.5>}
  \installfont{clmbx2j8t7}{%
    ec-lmbx7 encoding txtfdmns,lmbx8ttl7,dd-lmbx7,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{bx}{n}{<6.5-7.5>}
  \installfont{clmbx2j8t8}{%
    ec-lmbx8 encoding txtfdmns,lmbx8ttl8,dd-lmbx8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{bx}{n}{<7.5-8.5>}
  \installfont{clmbx2j8t9}{%
    ec-lmbx9 encoding txtfdmns,lmbx8ttl9,dd-lmbx9,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{bx}{n}{<8.5-9.5>}
  \installfont{clmbx2j8t10}{%
    ec-lmbx10 encoding txtfdmns,lmbx8ttl10,dd-lmbx10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2j}{bx}{n}{<9.5-11>}
```

```
\installfont{clmbx2j8t12}{%
  ec-lmbx12 encoding txtfdmns,lmbx8ttl12,dd-lmbx12,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2j}{bx}{n}{<11->}
\installfont{clmbx2jo8t10}{%
  ec-lmbxo10 encoding txtfdmns,lmbxo8ttl10,dd-lmbxo10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2j}{bx}{sl}{}
\installfont{clmbx2ij8t10}{%
  ec-lmbxi10 encoding txtfdmns,lmbxi8ttl10,dd-lmbxi10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2j}{bx}{it}{}
```

Latin Modern default has these installed as bold, but the weight given in the font is demi and the demi weights in the sans-condensed are installed as demi, so I'm going for the same series - sb - here as they choose for those.

```
\installfont{clmb2j8t10}{%
  ec-lmb10 encoding txtfdmns,lmb8ttl10,dd-lmb10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2j}{sb}{n}{}
\installfont{clmb2jo8t10}{%
  ec-lmbo10 encoding txtfdmns,lmbo8ttl10,dd-lmbo10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2j}{sb}{sl}{}
```

clm2js

```
\installfamily{T1}{clm2js}{}
\installfont{clmss2j8t8}{%
  ec-lmss8 encoding txtfdmns,lmss8ttl8,dd-lmss8,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2js}{m}{n}{<-8.5>}
\installfont{clmss2j8t9}{%
  ec-lmss9 encoding txtfdmns,lmss8ttl9,dd-lmss9,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2js}{m}{n}{<8.5-9.5>}
\installfont{clmss2j8t10}{%
  ec-lmss10 encoding txtfdmns,lmss8ttl10,dd-lmss10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2js}{m}{n}{<9.5-11>}
\installfont{clmss2j8t12}{%
  ec-lmss12 encoding txtfdmns,lmss8ttl12,dd-lmss12,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2js}{m}{n}{<11-15>}
\installfont{clmss2j8t17}{%
  ec-lmss17 encoding txtfdmns,lmss8ttl17,dd-lmss17,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2js}{m}{n}{<15->}
\installfont{clmss2jo8t8}{%
  ec-lmsso8 encoding txtfdmns,lmsso8ttl8,dd-lmsso8,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2js}{m}{sl}{<-8.5>}
\installfont{clmss2jo8t9}{%
  ec-lmsso9 encoding txtfdmns,lmsso8ttl9,dd-lmsso9,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2js}{m}{sl}{<8.5-9.5>}
\installfont{clmss2jo8t10}{%
  ec-lmsso10 encoding txtfdmns,lmsso8ttl10,dd-lmsso10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2js}{m}{sl}{<9.5-11>}
\installfont{clmss2jo8t12}{%
```

```
    ec-lmsso12 encoding txtfdmns,lmsso8ttl12,dd-lmsso12,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2js}{m}{sl}{<11-15>}
  \installfont{clmss2jo8t17}{%
    ec-lmsso17 encoding txtfdmns,lmsso8ttl17,dd-lmsso17,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2js}{m}{sl}{<15->}
  \installfont{clmssbx2j8t10}{%
    ec-lmssbx10 encoding txtfdmns,lmssbx8ttl10,dd-lmssbx10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2js}{bx}{n}{}
  \installfont{clmssb2jo8t10}{%
    ec-lmssbo10 encoding txtfdmns,lmssbo8ttl10,dd-lmssbo10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2js}{bx}{sl}{}
  \installfont{clmssdc2j8t10}{%
    ec-lmssdc10 encoding txtfdmns,lmssdc8ttl10,dd-lmssdc10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2js}{sbc}{n}{}
  \installfont{clmssd2jo8t10}{%
    ec-lmssdo10 encoding txtfdmns,lmssdo8ttl10,dd-lmssdo10,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2js}{sbc}{sl}{}
```

clm2jqs

```
  \fontinstcc
  \installfamily{T1}{clm2jqs}{\hyphenchar\font=\m@ne}
  \normalcc
  \installfont{clmssq2j8t8}{%
    ec-lmssq8 encoding txtfdmns,lmssq8ttl8,dd-lmssq8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2jqs}{m}{n}{}
  \installfont{clmssq2jo8t8}{%
    ec-lmssqo8 encoding txtfdmns,lmssqo8ttl8,dd-lmssqo8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2jqs}{m}{sl}{}
  \installfont{clmssqbx2j8t8}{%
    ec-lmssqbx8 encoding txtfdmns,lmssqbx8ttl8,dd-lmssqbx8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2jqs}{bx}{n}{}
  \installfont{clmssqb2jo8t8}{%
    ec-lmssqbo8 encoding txtfdmns,lmssqbo8ttl8,dd-lmssqbo8,%
    \metrics\unsetint{acccapheight},newlatin%
  }{dotoldstyle,t1-clm}{T1}{clm2jqs}{bx}{sl}{}
```

clm2jt

```
  \fontinstcc
  \installfamily{T1}{clm2jt}{\hyphenchar\font=\m@ne}
  \normalcc
  \installfontas{clmttj8t8}{T1}{clm2jt}{m}{n}{<-8.5>}
  \installfontas{clmttj8t9}{T1}{clm2jt}{m}{n}{<8.5-9.5>}
  \installfontas{clmttj8t10}{T1}{clm2jt}{m}{n}{<9.5-11>}
  \installfontas{clmttj8t12}{T1}{clm2jt}{m}{n}{<11->}
  \installfontas{clmttjo8t10}{T1}{clm2jt}{m}{sl}{}
  \installfontas{clmttij8t10}{T1}{clm2jt}{m}{it}{}
  \installfontas{clmtcscj8t10}{T1}{clm2jt}{m}{sc}{}
  \installfontas{clmtcsjo8t10}{T1}{clm2jt}{m}{scsl}{}
  \installfontas{clmtkj8t10}{T1}{clm2jt}{bx}{n}{}
  \installfontas{clmtkjo8t10}{T1}{clm2jt}{bx}{sl}{}
  \installfontas{clmtlj8t10}{T1}{clm2jt}{l}{n}{}
```

```
\installfontas{clmtljo8t10}{T1}{clm2jt}{l}{sl}{}
\installfontas{clmtlcj8t10}{T1}{clm2jt}{lc}{n}{}
\installfontas{clmtlcjo8t10}{T1}{clm2jt}{lc}{sl}{}
```

clm2jv

```
\fontinstcc
\installfamily{T1}{clm2jv}{\hyphenchar\font=\m@ne}
\normalcc
\installfont{clmvtt2j8t10}{%
  ec-lmvtt10 encoding txtfdmns,lmvtt8ttl10,dd-lmvtt10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2jv}{m}{n}{}
\installfont{clmvtt2jo8t10}{%
  ec-lmvtto10 encoding txtfdmns,lmvtto8ttl10,dd-lmvtto10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2jv}{m}{sl}{}
\installfont{clmvtk2j8t10}{%
  ec-lmvtk10 encoding txtfdmns,lmvtk8ttl10,dd-lmvtk10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2jv}{bx}{n}{}
\installfont{clmvtk2jo8t10}{%
  ec-lmvtko10 encoding txtfdmns,lmvtko8ttl10,dd-lmvtko10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2jv}{bx}{sl}{}
\installfont{clmvtl2j8t10}{%
  ec-lmvtl10 encoding txtfdmns,lmvtl8ttl10,dd-lmvtl10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2jv}{l}{n}{}
\installfont{clmvtl2jo8t10}{%
  ec-lmvtlo10 encoding txtfdmns,lmvtlo8ttl10,dd-lmvtlo10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2jv}{l}{sl}{}
```

clm2dj

```
\fontinstcc
\installfamily{T1}{clm2dj}{\hyphenchar\font=45}
\normalcc
\installfont{clmdunh2j8t10}{%
  ec-lmdunh10 encoding txtfdmns,lmdunh8ttl10,dd-lmdunh10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2dj}{m}{n}{}
\installfont{clmdun2jo8t10}{%
  ec-lmduno10 encoding txtfdmns,lmduno8ttl10,dd-lmduno10,%
  \metrics\unsetint{acccapheight},newlatin%
}{dotoldstyle,t1-clm}{T1}{clm2dj}{m}{sl}{}
```

OTHER

```
\installfamily{U}{clm}{}
\installfont{u-clmr5}{%
  dd-lmr5%
  }{txtfdmns,dotdigits}{U}{clm}{m}{n}{<-5.5>}
\installfont{u-clmr6}{%
  dd-lmr6%
  }{txtfdmns,dotdigits}{U}{clm}{m}{n}{<5.5-6.5>}
\installfont{u-clmr7}{%
  dd-lmr7%
  }{txtfdmns,dotdigits}{U}{clm}{m}{n}{<6.5-7.5>}
\installfont{u-clmr8}{%
  dd-lmr8%
  }{txtfdmns,dotdigits}{U}{clm}{m}{n}{<7.5-8.5>}
```

```
\installfont{u-clmr9}{%
  dd-lmr9%
  }{txtfdmns,dotdigits}{U}{clm}{m}{n}{<8.5-9.5>}
\installfont{u-clmr10}{%
  dd-lmr10%
  }{txtfdmns,dotdigits}{U}{clm}{m}{n}{<9.5-11>}
\installfont{u-clmr12}{%
  dd-lmr12%
  }{txtfdmns,dotdigits}{U}{clm}{m}{n}{<11-15>}
\installfont{u-clmr17}{%
  dd-lmr17%
  }{txtfdmns,dotdigits}{U}{clm}{m}{n}{<15->}
\installfont{u-clmro8}{%
  dd-lmro8%
  }{txtfdmns,dotdigits}{U}{clm}{m}{sl}{<-8.5>}
\installfont{u-clmro9}{%
  dd-lmro9%
  }{txtfdmns,dotdigits}{U}{clm}{m}{sl}{<8.5-9.5>}
\installfont{u-clmro10}{%
  dd-lmro10%
  }{txtfdmns,dotdigits}{U}{clm}{m}{sl}{<9.5-11>}
\installfont{u-clmro12}{%
  dd-lmro12%
  }{txtfdmns,dotdigits}{U}{clm}{m}{sl}{<11-15>}
\installfont{u-clmro17}{%
  dd-lmro17%
  }{txtfdmns,dotdigits}{U}{clm}{m}{sl}{<15->}
\installfont{u-clmri7}{%
  dd-lmri7%
  }{txtfdmns,dotdigits}{U}{clm}{m}{it}{<-7.5>}
\installfont{u-clmri8}{%
  dd-lmri8%
  }{txtfdmns,dotdigits}{U}{clm}{m}{it}{<7.5-8.5>}
\installfont{u-clmri9}{%
  dd-lmri9%
  }{txtfdmns,dotdigits}{U}{clm}{m}{it}{<8.5-9.5>}
\installfont{u-clmri10}{%
  dd-lmri10%
  }{txtfdmns,dotdigits}{U}{clm}{m}{it}{<9.5-11>}
\installfont{u-clmri12}{%
  dd-lmri12%
  }{txtfdmns,dotdigits}{U}{clm}{m}{it}{<11->}
\installfont{u-clmu10}{%
  dd-lmu10%
  }{txtfdmns,dotdigits}{U}{clm}{m}{ui}{}
\installfont{u-clmcsc10}{%
  dd-lmcsc10%
  }{txtfdmns,dotdigits}{U}{clm}{m}{sc}{}
\installfont{u-clmcsco10}{%
  dd-lmcsco10%
  }{txtfdmns,dotdigits}{U}{clm}{m}{scsl}{}
```

Repeat for bold fonts

```
\installfont{u-clmbx5}{%
  dd-lmbx5%
  }{txtfdmns,dotdigits}{U}{clm}{bx}{n}{<-5.5>}
\installfont{u-clmbx6}{%
  dd-lmbx6%
  }{txtfdmns,dotdigits}{U}{clm}{bx}{n}{<5.5-6.5>}
\installfont{u-clmbx7}{%
  dd-lmbx7%
```

```
    }{txtfdmns,dotdigits}{U}{clm}{bx}{n}{<6.5-7.5>}
  \installfont{u-clmbx8}{%
    dd-lmbx8%
    }{txtfdmns,dotdigits}{U}{clm}{bx}{n}{<7.5-8.5>}
  \installfont{u-clmbx9}{%
    dd-lmbx9%
    }{txtfdmns,dotdigits}{U}{clm}{bx}{n}{<8.5-9.5>}
  \installfont{u-clmbx10}{%
    dd-lmbx10%
    }{txtfdmns,dotdigits}{U}{clm}{bx}{n}{<9.5-11>}
  \installfont{u-clmbx12}{%
    dd-lmbx12%
    }{txtfdmns,dotdigits}{U}{clm}{bx}{n}{<11->}
  \installfont{u-clmbxo10}{%
    dd-lmbxo10%
    }{txtfdmns,dotdigits}{U}{clm}{bx}{sl}{}
  \installfont{u-clmbxi10}{%
    dd-lmbxi10%
    }{txtfdmns,dotdigits}{U}{clm}{bx}{it}{}
```

Latin Modern default has these installed as bold, but the weight given in the font is demi and the demi weights in the sans-condensed are installed as demi, so I'm going for the same series - sb - here as they choose for those

```
  \installfont{u-clmb10}{%
    dd-lmb10%
    }{txtfdmns,dotdigits}{U}{clm}{sb}{n}{}
  \installfont{u-clmbo10}{%
    dd-lmbo10%
    }{txtfdmns,dotdigits}{U}{clm}{sb}{sl}{}
  \installfamily{U}{clms}{}
  \installfont{u-clmss8}{%
    dd-lmss8%
    }{txtfdmns,dotdigits}{U}{clms}{m}{n}{<-8.5>}
  \installfont{u-clmss9}{%
    dd-lmss9%
    }{txtfdmns,dotdigits}{U}{clms}{m}{n}{<8.5-9.5>}
  \installfont{u-clmss10}{%
    dd-lmss10%
    }{txtfdmns,dotdigits}{U}{clms}{m}{n}{<9.5-11>}
  \installfont{u-clmss12}{%
    dd-lmss12%
    }{txtfdmns,dotdigits}{U}{clms}{m}{n}{<11-15>}
  \installfont{u-clmss17}{%
    dd-lmss17%
    }{txtfdmns,dotdigits}{U}{clms}{m}{n}{<15->}
  \installfont{u-clmsso8}{%
    dd-lmsso8%
    }{txtfdmns,dotdigits}{U}{clms}{m}{sl}{<-8.5>}
  \installfont{u-clmsso9}{%
    dd-lmsso9%
    }{txtfdmns,dotdigits}{U}{clms}{m}{sl}{<8.5-9.5>}
  \installfont{u-clmsso10}{%
    dd-lmsso10%
    }{txtfdmns,dotdigits}{U}{clms}{m}{sl}{<9.5-11>}
  \installfont{u-clmsso12}{%
    dd-lmsso12%
    }{txtfdmns,dotdigits}{U}{clms}{m}{sl}{<11-15>}
  \installfont{u-clmsso17}{%
    dd-lmsso17%
    }{txtfdmns,dotdigits}{U}{clms}{m}{sl}{<15->}
  \installfont{u-clmssbx10}{%
```

```
1409      dd-lmssbx10%
1410      }{txtfdmns,dotdigits}{U}{clms}{bx}{n}{}
1411    \installfont{u-clmssbo10}{%
1412      dd-lmssbo10%
1413      }{txtfdmns,dotdigits}{U}{clms}{bx}{sl}{}
1414    \installfont{u-clmssdc10}{%
1415      dd-lmssdc10%
1416      }{txtfdmns,dotdigits}{U}{clms}{sbc}{n}{}
1417    \installfont{u-clmssdo10}{%
1418      dd-lmssdo10%
1419      }{txtfdmns,dotdigits}{U}{clms}{sbc}{sl}{}
1420    \installfamily{U}{clmqs}{}
1421    \installfont{u-clmssq8}{%
1422      dd-lmssq8%
1423      }{txtfdmns,dotdigits}{U}{clmqs}{m}{n}{}
1424    \installfont{u-clmssqo8}{%
1425      dd-lmssqo8%
1426      }{txtfdmns,dotdigits}{U}{clmqs}{m}{sl}{}
1427    \installfont{u-clmssqbx8}{%
1428      dd-lmssqbx8%
1429      }{txtfdmns,dotdigits}{U}{clmqs}{bx}{n}{}
1430    \installfont{u-clmssqbo8}{%
1431      dd-lmssqbo8%
1432      }{txtfdmns,dotdigits}{U}{clmqs}{bx}{sl}{}
1433    \installfamily{U}{clmt}{}
1434    \installfont{u-clmtt8}{%
1435      dd-lmtt8%
1436      }{txtfdmns,dotdigits}{U}{clmt}{m}{n}{<-8.5>}
1437    \installfont{u-clmtt9}{%
1438      dd-lmtt9%
1439      }{txtfdmns,dotdigits}{U}{clmt}{m}{n}{<8.5-9.5>}
1440    \installfont{u-clmtt10}{%
1441      dd-lmtt10%
1442      }{txtfdmns,dotdigits}{U}{clmt}{m}{n}{<9.5-11>}
1443    \installfont{u-clmtt12}{%
1444      dd-lmtt12%
1445      }{txtfdmns,dotdigits}{U}{clmt}{m}{n}{<11->}
1446    \installfont{u-clmtto10}{%
1447      dd-lmtto10%
1448      }{txtfdmns,dotdigits}{U}{clmt}{m}{sl}{}
1449    \installfont{u-clmtti10}{%
1450      dd-lmtti10%
1451      }{txtfdmns,dotdigits}{U}{clmt}{m}{it}{}
1452    \installfont{u-clmtcsc10}{%
1453      dd-lmtcsc10%
1454      }{txtfdmns,dotdigits}{U}{clmt}{m}{sc}{}
1455    \installfont{u-clmtcso10}{%
1456      dd-lmtcso10%
1457      }{txtfdmns,dotdigits}{U}{clmt}{m}{scsl}{}
1458    \installfont{u-clmtk10}{%
1459      dd-lmtk10%
1460      }{txtfdmns,dotdigits}{U}{clmt}{bx}{n}{}
1461    \installfont{u-clmtko10}{%
1462      dd-lmtko10%
1463      }{txtfdmns,dotdigits}{U}{clmt}{bx}{sl}{}
1464    \installfont{u-clmtl10}{%
1465      dd-lmtl10%
1466      }{txtfdmns,dotdigits}{U}{clmt}{l}{n}{}
1467    \installfont{u-clmtlo10}{%
1468      dd-lmtlo10%
1469      }{txtfdmns,dotdigits}{U}{clmt}{l}{sl}{}
```

```
\installfont{u-clmtlc10}{%
  dd-lmtlc10%
  }{txtfdmns,dotdigits}{U}{clmt}{lc}{n}{}
\installfont{u-clmtlco10}{%
  dd-lmtlco10%
  }{txtfdmns,dotdigits}{U}{clmt}{lc}{sl}{}
\installfamily{U}{clmv}{}
\installfont{u-clmvtt10}{%
  dd-lmvtt10%
  }{txtfdmns,dotdigits}{U}{clmv}{m}{n}{}
\installfont{u-clmvtto10}{%
  dd-lmvtto10%
  }{txtfdmns,dotdigits}{U}{clmv}{m}{sl}{}
\installfont{u-clmvtk10}{%
  dd-lmvtk10%
  }{txtfdmns,dotdigits}{U}{clmv}{bx}{n}{}
\installfont{u-clmvtko10}{%
  dd-lmvtko10%
  }{txtfdmns,dotdigits}{U}{clmv}{bx}{sl}{}
\installfont{u-clmvtl10}{%
  dd-lmvtl10%
  }{txtfdmns,dotdigits}{U}{clmv}{l}{n}{}
\installfont{u-clmvtlo10}{%
  dd-lmvtlo10%
  }{txtfdmns,dotdigits}{U}{clmv}{l}{sl}{}
\installfamily{U}{clmd}{}
\installfont{u-clmdunh10}{%
  dd-lmdunh10%
  }{txtfdmns,dotdigits}{U}{clmd}{m}{n}{}
\installfont{u-clmduno10}{%
  dd-lmduno10%
  }{txtfdmns,dotdigits}{U}{clmd}{m}{sl}{}
\installfamily{U}{clm2}{}
\installfontas{u-clmr5}{U}{clm2}{m}{n}{<-5.5>}
\installfontas{u-clmr6}{U}{clm2}{m}{n}{<5.5-6.5>}
\installfontas{u-clmr7}{U}{clm2}{m}{n}{<6.5-7.5>}
\installfontas{u-clmr8}{U}{clm2}{m}{n}{<7.5-8.5>}
\installfontas{u-clmr9}{U}{clm2}{m}{n}{<8.5-9.5>}
\installfontas{u-clmr10}{U}{clm2}{m}{n}{<9.5-11>}
\installfontas{u-clmr12}{U}{clm2}{m}{n}{<11-15>}
\installfontas{u-clmr17}{U}{clm2}{m}{n}{<15->}
\installfontas{u-clmro8}{U}{clm2}{m}{sl}{<-8.5>}
\installfontas{u-clmro9}{U}{clm2}{m}{sl}{<8.5-9.5>}
\installfontas{u-clmro10}{U}{clm2}{m}{sl}{<9.5-11>}
\installfontas{u-clmro12}{U}{clm2}{m}{sl}{<11-15>}
\installfontas{u-clmro17}{U}{clm2}{m}{sl}{<15->}
\installfontas{u-clmri7}{U}{clm2}{m}{it}{<-7.5>}
\installfontas{u-clmri8}{U}{clm2}{m}{it}{<7.5-8.5>}
\installfontas{u-clmri9}{U}{clm2}{m}{it}{<8.5-9.5>}
\installfontas{u-clmri10}{U}{clm2}{m}{it}{<9.5-11>}
\installfontas{u-clmri12}{U}{clm2}{m}{it}{<11->}
\installfontas{u-clmu10}{U}{clm2}{m}{ui}{}
\installfontas{u-clmcsc10}{U}{clm2}{m}{sc}{}
\installfontas{u-clmcsco10}{U}{clm2}{m}{scsl}{}
```

Repeat for bold fonts

```
\installfontas{u-clmbx5}{U}{clm2}{bx}{n}{<-5.5>}
\installfontas{u-clmbx6}{U}{clm2}{bx}{n}{<5.5-6.5>}
\installfontas{u-clmbx7}{U}{clm2}{bx}{n}{<6.5-7.5>}
\installfontas{u-clmbx8}{U}{clm2}{bx}{n}{<7.5-8.5>}
\installfontas{u-clmbx9}{U}{clm2}{bx}{n}{<8.5-9.5>}
```

```
\installfontas{u-clmbx10}{U}{clm2}{bx}{n}{<9.5-11>}
\installfontas{u-clmbx12}{U}{clm2}{bx}{n}{<11->}
\installfontas{u-clmbxo10}{U}{clm2}{bx}{sl}{}
\installfontas{u-clmbxi10}{U}{clm2}{bx}{it}{}
```

Latin Modern default has these installed as bold, but the weight given in the font is demi and the demi weights in the sans-condensed are installed as demi, so I'm going for the same series - sb - here as they choose for those

```
\installfontas{u-clmb10}{U}{clm2}{sb}{n}{}
\installfontas{u-clmbo10}{U}{clm2}{sb}{sl}{}
\installfamily{U}{clm2s}{}
\installfontas{u-clmss8}{U}{clm2s}{m}{n}{<-8.5>}
\installfontas{u-clmss9}{U}{clm2s}{m}{n}{<8.5-9.5>}
\installfontas{u-clmss10}{U}{clm2s}{m}{n}{<9.5-11>}
\installfontas{u-clmss12}{U}{clm2s}{m}{n}{<11-15>}
\installfontas{u-clmss17}{U}{clm2s}{m}{n}{<15->}
\installfontas{u-clmsso8}{U}{clm2s}{m}{sl}{<-8.5>}
\installfontas{u-clmsso9}{U}{clm2s}{m}{sl}{<8.5-9.5>}
\installfontas{u-clmsso10}{U}{clm2s}{m}{sl}{<9.5-11>}
\installfontas{u-clmsso12}{U}{clm2s}{m}{sl}{<11-15>}
\installfontas{u-clmsso17}{U}{clm2s}{m}{sl}{<15->}
\installfontas{u-clmssbx10}{U}{clm2s}{bx}{n}{}
\installfontas{u-clmssbo10}{U}{clm2s}{bx}{sl}{}
\installfontas{u-clmssdc10}{U}{clm2s}{sbc}{n}{}
\installfontas{u-clmssdo10}{U}{clm2s}{sbc}{sl}{}
\installfamily{U}{clm2qs}{}
\installfontas{u-clmssq8}{U}{clm2qs}{m}{n}{}
\installfontas{u-clmssqo8}{U}{clm2qs}{m}{sl}{}
\installfontas{u-clmssqbx8}{U}{clm2qs}{bx}{n}{}
\installfontas{u-clmssqbo8}{U}{clm2qs}{bx}{sl}{}
\installfamily{U}{clm2t}{}
\installfontas{u-clmtt8}{U}{clm2t}{m}{n}{<-8.5>}
\installfontas{u-clmtt9}{U}{clm2t}{m}{n}{<8.5-9.5>}
\installfontas{u-clmtt10}{U}{clm2t}{m}{n}{<9.5-11>}
\installfontas{u-clmtt12}{U}{clm2t}{m}{n}{<11->}
\installfontas{u-clmtto10}{U}{clm2t}{m}{sl}{}
\installfontas{u-clmtti10}{U}{clm2t}{m}{it}{}
\installfontas{u-clmtcsc10}{U}{clm2t}{m}{sc}{}
\installfontas{u-clmtcso10}{U}{clm2t}{m}{scsl}{}
\installfontas{u-clmtk10}{U}{clm2t}{bx}{n}{}
\installfontas{u-clmtko10}{U}{clm2t}{bx}{sl}{}
\installfontas{u-clmtl10}{U}{clm2t}{l}{n}{}
\installfontas{u-clmtlo10}{U}{clm2t}{l}{sl}{}
\installfontas{u-clmtlc10}{U}{clm2t}{lc}{n}{}
\installfontas{u-clmtlco10}{U}{clm2t}{lc}{sl}{}
\installfamily{U}{clm2v}{}
\installfontas{u-clmvtt10}{U}{clm2v}{m}{n}{}
\installfontas{u-clmvtto10}{U}{clm2v}{m}{sl}{}
\installfontas{u-clmvtk10}{U}{clm2v}{bx}{n}{}
\installfontas{u-clmvtko10}{U}{clm2v}{bx}{sl}{}
\installfontas{u-clmvtl10}{U}{clm2v}{l}{n}{}
\installfontas{u-clmvtlo10}{U}{clm2v}{l}{sl}{}
\installfamily{U}{clm2d}{}
\installfontas{u-clmdunh10}{U}{clm2d}{m}{n}{}
\installfontas{u-clmduno10}{U}{clm2d}{m}{sl}{}
\installfamily{U}{clm2j}{}
\installfontas{u-clmr5}{U}{clm2j}{m}{n}{<-5.5>}
\installfontas{u-clmr6}{U}{clm2j}{m}{n}{<5.5-6.5>}
\installfontas{u-clmr7}{U}{clm2j}{m}{n}{<6.5-7.5>}
\installfontas{u-clmr8}{U}{clm2j}{m}{n}{<7.5-8.5>}
\installfontas{u-clmr9}{U}{clm2j}{m}{n}{<8.5-9.5>}
```

```
\installfontas{u-clmr10}{U}{clm2j}{m}{n}{<9.5-11>}
\installfontas{u-clmr12}{U}{clm2j}{m}{n}{<11-15>}
\installfontas{u-clmr17}{U}{clm2j}{m}{n}{<15->}
\installfontas{u-clmro8}{U}{clm2j}{m}{sl}{<-8.5>}
\installfontas{u-clmro9}{U}{clm2j}{m}{sl}{<8.5-9.5>}
\installfontas{u-clmro10}{U}{clm2j}{m}{sl}{<9.5-11>}
\installfontas{u-clmro12}{U}{clm2j}{m}{sl}{<11-15>}
\installfontas{u-clmro17}{U}{clm2j}{m}{sl}{<15->}
\installfontas{u-clmri7}{U}{clm2j}{m}{it}{<-7.5>}
\installfontas{u-clmri8}{U}{clm2j}{m}{it}{<7.5-8.5>}
\installfontas{u-clmri9}{U}{clm2j}{m}{it}{<8.5-9.5>}
\installfontas{u-clmri10}{U}{clm2j}{m}{it}{<9.5-11>}
\installfontas{u-clmri12}{U}{clm2j}{m}{it}{<11->}
\installfontas{u-clmu10}{U}{clm2j}{m}{ui}{}
\installfontas{u-clmcsc10}{U}{clm2j}{m}{sc}{}
\installfontas{u-clmcsco10}{U}{clm2j}{m}{scsl}{}
```

Repeat for bold fonts

```
\installfontas{u-clmbx5}{U}{clm2j}{bx}{n}{<-5.5>}
\installfontas{u-clmbx6}{U}{clm2j}{bx}{n}{<5.5-6.5>}
\installfontas{u-clmbx7}{U}{clm2j}{bx}{n}{<6.5-7.5>}
\installfontas{u-clmbx8}{U}{clm2j}{bx}{n}{<7.5-8.5>}
\installfontas{u-clmbx9}{U}{clm2j}{bx}{n}{<8.5-9.5>}
\installfontas{u-clmbx10}{U}{clm2j}{bx}{n}{<9.5-11>}
\installfontas{u-clmbx12}{U}{clm2j}{bx}{n}{<11->}
\installfontas{u-clmbxo10}{U}{clm2j}{bx}{sl}{}
\installfontas{u-clmbxi10}{U}{clm2j}{bx}{it}{}
```

Latin Modern default has these installed as bold, but the weight given in the font is demi and the demi weights in the sans-condensed are installed as demi, so I'm going for the same series - sb - here as they choose for those

```
\installfontas{u-clmb10}{U}{clm2j}{sb}{n}{}
\installfontas{u-clmbo10}{U}{clm2j}{sb}{sl}{}
\installfamily{U}{clm2js}{}
\installfontas{u-clmss8}{U}{clm2js}{m}{n}{<-8.5>}
\installfontas{u-clmss9}{U}{clm2js}{m}{n}{<8.5-9.5>}
\installfontas{u-clmss10}{U}{clm2js}{m}{n}{<9.5-11>}
\installfontas{u-clmss12}{U}{clm2js}{m}{n}{<11-15>}
\installfontas{u-clmss17}{U}{clm2js}{m}{n}{<15->}
\installfontas{u-clmsso8}{U}{clm2js}{m}{sl}{<-8.5>}
\installfontas{u-clmsso9}{U}{clm2js}{m}{sl}{<8.5-9.5>}
\installfontas{u-clmsso10}{U}{clm2js}{m}{sl}{<9.5-11>}
\installfontas{u-clmsso12}{U}{clm2js}{m}{sl}{<11-15>}
\installfontas{u-clmsso17}{U}{clm2js}{m}{sl}{<15->}
\installfontas{u-clmssbx10}{U}{clm2js}{bx}{n}{}
\installfontas{u-clmssbo10}{U}{clm2js}{bx}{sl}{}
\installfontas{u-clmssdc10}{U}{clm2js}{sbc}{n}{}
\installfontas{u-clmssdo10}{U}{clm2js}{sbc}{sl}{}
\installfamily{U}{clm2jqs}{}
\installfontas{u-clmssq8}{U}{clm2jqs}{m}{n}{}
\installfontas{u-clmssqo8}{U}{clm2jqs}{m}{sl}{}
\installfontas{u-clmssqbx8}{U}{clm2jqs}{bx}{n}{}
\installfontas{u-clmssqbo8}{U}{clm2jqs}{bx}{sl}{}
\installfamily{U}{clm2jt}{}
\installfontas{u-clmtt8}{U}{clm2jt}{m}{n}{<-8.5>}
\installfontas{u-clmtt9}{U}{clm2jt}{m}{n}{<8.5-9.5>}
\installfontas{u-clmtt10}{U}{clm2jt}{m}{n}{<9.5-11>}
\installfontas{u-clmtt12}{U}{clm2jt}{m}{n}{<11->}
\installfontas{u-clmtto10}{U}{clm2jt}{m}{sl}{}
\installfontas{u-clmtti10}{U}{clm2jt}{m}{it}{}
```

```
\installfontas{u-clmtcsc10}{U}{clm2jt}{m}{sc}{}
\installfontas{u-clmtcso10}{U}{clm2jt}{m}{scsl}{}
\installfontas{u-clmtk10}{U}{clm2jt}{bx}{n}{}
\installfontas{u-clmtko10}{U}{clm2jt}{bx}{sl}{}
\installfontas{u-clmtl10}{U}{clm2jt}{l}{n}{}
\installfontas{u-clmtlo10}{U}{clm2jt}{l}{sl}{}
\installfontas{u-clmtlc10}{U}{clm2jt}{lc}{n}{}
\installfontas{u-clmtlco10}{U}{clm2jt}{lc}{sl}{}
\installfamily{U}{clm2jv}{}
\installfontas{u-clmvtt10}{U}{clm2jv}{m}{n}{}
\installfontas{u-clmvtto10}{U}{clm2jv}{m}{sl}{}
\installfontas{u-clmvtk10}{U}{clm2jv}{bx}{n}{}
\installfontas{u-clmvtko10}{U}{clm2jv}{bx}{sl}{}
\installfontas{u-clmvtl10}{U}{clm2jv}{l}{n}{}
\installfontas{u-clmvtlo10}{U}{clm2jv}{l}{sl}{}
\installfamily{U}{clm2dj}{}
\installfontas{u-clmdunh10}{U}{clm2dj}{m}{n}{}
\installfontas{u-clmduno10}{U}{clm2dj}{m}{sl}{}
\installfamily{U}{clmj}{}
\installfontas{u-clmr5}{U}{clmj}{m}{n}{<-5.5>}
\installfontas{u-clmr6}{U}{clmj}{m}{n}{<5.5-6.5>}
\installfontas{u-clmr7}{U}{clmj}{m}{n}{<6.5-7.5>}
\installfontas{u-clmr8}{U}{clmj}{m}{n}{<7.5-8.5>}
\installfontas{u-clmr9}{U}{clmj}{m}{n}{<8.5-9.5>}
\installfontas{u-clmr10}{U}{clmj}{m}{n}{<9.5-11>}
\installfontas{u-clmr12}{U}{clmj}{m}{n}{<11-15>}
\installfontas{u-clmr17}{U}{clmj}{m}{n}{<15->}
\installfontas{u-clmro8}{U}{clmj}{m}{sl}{<-8.5>}
\installfontas{u-clmro9}{U}{clmj}{m}{sl}{<8.5-9.5>}
\installfontas{u-clmro10}{U}{clmj}{m}{sl}{<9.5-11>}
\installfontas{u-clmro12}{U}{clmj}{m}{sl}{<11-15>}
\installfontas{u-clmro17}{U}{clmj}{m}{sl}{<15->}
\installfontas{u-clmri7}{U}{clmj}{m}{it}{<-7.5>}
\installfontas{u-clmri8}{U}{clmj}{m}{it}{<7.5-8.5>}
\installfontas{u-clmri9}{U}{clmj}{m}{it}{<8.5-9.5>}
\installfontas{u-clmri10}{U}{clmj}{m}{it}{<9.5-11>}
\installfontas{u-clmri12}{U}{clmj}{m}{it}{<11->}
\installfontas{u-clmu10}{U}{clmj}{m}{ui}{}
\installfontas{u-clmcsc10}{U}{clmj}{m}{sc}{}
\installfontas{u-clmcsco10}{U}{clmj}{m}{scsl}{}
```

Repeat for bold fonts

```
\installfontas{u-clmbx5}{U}{clmj}{bx}{n}{<-5.5>}
\installfontas{u-clmbx6}{U}{clmj}{bx}{n}{<5.5-6.5>}
\installfontas{u-clmbx7}{U}{clmj}{bx}{n}{<6.5-7.5>}
\installfontas{u-clmbx8}{U}{clmj}{bx}{n}{<7.5-8.5>}
\installfontas{u-clmbx9}{U}{clmj}{bx}{n}{<8.5-9.5>}
\installfontas{u-clmbx10}{U}{clmj}{bx}{n}{<9.5-11>}
\installfontas{u-clmbx12}{U}{clmj}{bx}{n}{<11->}
\installfontas{u-clmbxo10}{U}{clmj}{bx}{sl}{}
\installfontas{u-clmbxi10}{U}{clmj}{bx}{it}{}
```

Latin Modern default has these installed as bold, but the weight given in the font is demi and the demi weights in the sans-condensed are installed as demi, so I'm going for the same series - sb - here as they choose for those

```
\installfontas{u-clmb10}{U}{clmj}{sb}{n}{}
\installfontas{u-clmbo10}{U}{clmj}{sb}{sl}{}
\installfamily{U}{clmjs}{}
\installfontas{u-clmss8}{U}{clmjs}{m}{n}{<-8.5>}
\installfontas{u-clmss9}{U}{clmjs}{m}{n}{<8.5-9.5>}
```

```
    \installfontas{u-clmss10}{U}{clmjs}{m}{n}{<9.5-11>}
    \installfontas{u-clmss12}{U}{clmjs}{m}{n}{<11-15>}
    \installfontas{u-clmss17}{U}{clmjs}{m}{n}{<15->}
    \installfontas{u-clmsso8}{U}{clmjs}{m}{sl}{<-8.5>}
    \installfontas{u-clmsso9}{U}{clmjs}{m}{sl}{<8.5-9.5>}
    \installfontas{u-clmsso10}{U}{clmjs}{m}{sl}{<9.5-11>}
    \installfontas{u-clmsso12}{U}{clmjs}{m}{sl}{<11-15>}
    \installfontas{u-clmsso17}{U}{clmjs}{m}{sl}{<15->}
    \installfontas{u-clmssbx10}{U}{clmjs}{bx}{n}{}
    \installfontas{u-clmssbo10}{U}{clmjs}{bx}{sl}{}
    \installfontas{u-clmssdc10}{U}{clmjs}{sbc}{n}{}
    \installfontas{u-clmssdo10}{U}{clmjs}{sbc}{sl}{}
    \installfamily{U}{clmjqs}{}
    \installfontas{u-clmssq8}{U}{clmjqs}{m}{n}{}
    \installfontas{u-clmssqo8}{U}{clmjqs}{m}{sl}{}
    \installfontas{u-clmssqbx8}{U}{clmjqs}{bx}{n}{}
    \installfontas{u-clmssqbo8}{U}{clmjqs}{bx}{sl}{}
    \installfamily{U}{clmjt}{}
    \installfontas{u-clmtt8}{U}{clmjt}{m}{n}{<-8.5>}
    \installfontas{u-clmtt9}{U}{clmjt}{m}{n}{<8.5-9.5>}
    \installfontas{u-clmtt10}{U}{clmjt}{m}{n}{<9.5-11>}
    \installfontas{u-clmtt12}{U}{clmjt}{m}{n}{<11->}
    \installfontas{u-clmtto10}{U}{clmjt}{m}{sl}{}
    \installfontas{u-clmtti10}{U}{clmjt}{m}{it}{}
    \installfontas{u-clmtcsc10}{U}{clmjt}{m}{sc}{}
    \installfontas{u-clmtcso10}{U}{clmjt}{m}{scsl}{}
    \installfontas{u-clmtk10}{U}{clmjt}{bx}{n}{}
    \installfontas{u-clmtko10}{U}{clmjt}{bx}{sl}{}
    \installfontas{u-clmtl10}{U}{clmjt}{l}{n}{}
    \installfontas{u-clmtlo10}{U}{clmjt}{l}{sl}{}
    \installfontas{u-clmtlc10}{U}{clmjt}{lc}{n}{}
    \installfontas{u-clmtlco10}{U}{clmjt}{lc}{sl}{}
    \installfamily{U}{clmjv}{}
    \installfontas{u-clmvtt10}{U}{clmjv}{m}{n}{}
    \installfontas{u-clmvtto10}{U}{clmjv}{m}{sl}{}
    \installfontas{u-clmvtk10}{U}{clmjv}{bx}{n}{}
    \installfontas{u-clmvtko10}{U}{clmjv}{bx}{sl}{}
    \installfontas{u-clmvtl10}{U}{clmjv}{l}{n}{}
    \installfontas{u-clmvtlo10}{U}{clmjv}{l}{sl}{}
    \installfamily{U}{clmdj}{}
    \installfontas{u-clmdunh10}{U}{clmdj}{m}{n}{}
    \installfontas{u-clmduno10}{U}{clmdj}{m}{sl}{}
  \endinstallfonts
\endrecordtransforms
\bye
% vim: set nospell:
```

1.2 TS1 Driver

This driver does very little. It's sole purpose is to install TEX fonts provided by lmodern under the family names used by cfr-lm-build so that symbols from the TS1 encoding work as expected.

`clm-ts1-drv.tex` (*drv.*) The Text Companion or TS1 families. Note that this driver doesn't actully install any fonts at all but only aliases existing ones.

```
\input fontinst.sty
\needsfontinstversion{1.926}
```

Substitutions

```
\substitutesilent{scit}{scsl}
\substitutesilent{si}{scit}
\substitutesilent{ui}{it}
\substitutesilent{sl}{ui}
\substitutesilent{it}{sl}
\substitutesilent{sc}{n}
```

Bold extended for bold

```
\substitutesilent{b}{bx}
```

Record transformations for later map file creation

```
\recordtransforms{clm-ts1-rec.tex}
```

Installation: creation of virtual fonts

Install with TS1 encoding for extra glyphs through textcomp-dotted

clm

```
\installfonts
  \installfamily{TS1}{clm}{}
  \installfontas{ts1-lmr5}{TS1}{clm}{m}{n}{<-5.5>}
  \installfontas{ts1-lmr6}{TS1}{clm}{m}{n}{<5.5-6.5>}
  \installfontas{ts1-lmr7}{TS1}{clm}{m}{n}{<6.5-7.5>}
  \installfontas{ts1-lmr8}{TS1}{clm}{m}{n}{<7.5-8.5>}
  \installfontas{ts1-lmr9}{TS1}{clm}{m}{n}{<8.5-9.5>}
  \installfontas{ts1-lmr10}{TS1}{clm}{m}{n}{<9.5-11>}
  \installfontas{ts1-lmr12}{TS1}{clm}{m}{n}{<11-15>}
  \installfontas{ts1-lmr17}{TS1}{clm}{m}{n}{<15->}
  \installfontas{ts1-lmro8}{TS1}{clm}{m}{sl}{<-8.5>}
  \installfontas{ts1-lmro9}{TS1}{clm}{m}{sl}{<8.5-9.5>}
  \installfontas{ts1-lmro10}{TS1}{clm}{m}{sl}{<9.5-11>}
  \installfontas{ts1-lmro12}{TS1}{clm}{m}{sl}{<11-15>}
  \installfontas{ts1-lmro17}{TS1}{clm}{m}{sl}{<15->}
  \installfontas{ts1-lmri7}{TS1}{clm}{m}{it}{<-7.5>}
  \installfontas{ts1-lmri8}{TS1}{clm}{m}{it}{<7.5-8.5>}
  \installfontas{ts1-lmri9}{TS1}{clm}{m}{it}{<8.5-9.5>}
  \installfontas{ts1-lmri10}{TS1}{clm}{m}{it}{<9.5-11>}
  \installfontas{ts1-lmri12}{TS1}{clm}{m}{it}{<11->}
  \installfontas{ts1-lmu10}{TS1}{clm}{m}{ui}{}
  \installfontas{ts1-lmcsc10}{TS1}{clm}{m}{sc}{}
  \installfontas{ts1-lmcsco10}{TS1}{clm}{m}{scsl}{}
```

Repeat for bold fonts

```
  \installfontas{ts1-lmbx5}{TS1}{clm}{bx}{n}{<-5.5>}
  \installfontas{ts1-lmbx6}{TS1}{clm}{bx}{n}{<5.5-6.5>}
  \installfontas{ts1-lmbx7}{TS1}{clm}{bx}{n}{<6.5-7.5>}
  \installfontas{ts1-lmbx8}{TS1}{clm}{bx}{n}{<7.5-8.5>}
  \installfontas{ts1-lmbx9}{TS1}{clm}{bx}{n}{<8.5-9.5>}
  \installfontas{ts1-lmbx10}{TS1}{clm}{bx}{n}{<9.5-11>}
  \installfontas{ts1-lmbx12}{TS1}{clm}{bx}{n}{<11->}
  \installfontas{ts1-lmbxo10}{TS1}{clm}{bx}{sl}{}
  \installfontas{ts1-lmbxi10}{TS1}{clm}{bx}{it}{}
```

Latin Modern default has these installed as bold, but the weight given in the font is demi and the demi weights in the sans-condensed are installed as demi, so I'm going for the same series - sb - here as they choose for those

```
  \installfontas{ts1-lmb10}{TS1}{clm}{sb}{n}{}
  \installfontas{ts1-lmbo10}{TS1}{clm}{sb}{sl}{}
```

clms

```
\installfamily{TS1}{clms}{}
\installfontas{ts1-lmss8}{TS1}{clms}{m}{n}{<-8.5>}
\installfontas{ts1-lmss9}{TS1}{clms}{m}{n}{<8.5-9.5>}
\installfontas{ts1-lmss10}{TS1}{clms}{m}{n}{<9.5-11>}
\installfontas{ts1-lmss12}{TS1}{clms}{m}{n}{<11-15>}
\installfontas{ts1-lmss17}{TS1}{clms}{m}{n}{<15->}
\installfontas{ts1-lmsso8}{TS1}{clms}{m}{sl}{<-8.5>}
\installfontas{ts1-lmsso9}{TS1}{clms}{m}{sl}{<8.5-9.5>}
\installfontas{ts1-lmsso10}{TS1}{clms}{m}{sl}{<9.5-11>}
\installfontas{ts1-lmsso12}{TS1}{clms}{m}{sl}{<11-15>}
\installfontas{ts1-lmsso17}{TS1}{clms}{m}{sl}{<15->}
\installfontas{ts1-lmssbx10}{TS1}{clms}{bx}{n}{}
\installfontas{ts1-lmssbo10}{TS1}{clms}{bx}{sl}{}
\installfontas{ts1-lmssdc10}{TS1}{clms}{sbc}{n}{}
\installfontas{ts1-lmssdo10}{TS1}{clms}{sbc}{sl}{}
```

clmqs

```
\installfamily{TS1}{clmqs}{}
\installfontas{ts1-lmssq8}{TS1}{clmqs}{m}{n}{}
\installfontas{ts1-lmssqo8}{TS1}{clmqs}{m}{sl}{}
\installfontas{ts1-lmssqbx8}{TS1}{clmqs}{bx}{n}{}
\installfontas{ts1-lmssqbo8}{TS1}{clmqs}{bx}{sl}{}
```

clmt

```
\installfamily{TS1}{clmt}{}
\installfontas{ts1-lmtt8}{TS1}{clmt}{m}{n}{<-8.5>}
\installfontas{ts1-lmtt9}{TS1}{clmt}{m}{n}{<8.5-9.5>}
\installfontas{ts1-lmtt10}{TS1}{clmt}{m}{n}{<9.5-11>}
\installfontas{ts1-lmtt12}{TS1}{clmt}{m}{n}{<11->}
\installfontas{ts1-lmtto10}{TS1}{clmt}{m}{sl}{}
\installfontas{ts1-lmtti10}{TS1}{clmt}{m}{it}{}
\installfontas{ts1-lmtcsc10}{TS1}{clmt}{m}{sc}{}
\installfontas{ts1-lmtcso10}{TS1}{clmt}{m}{scsl}{}
\installfontas{ts1-lmtk10}{TS1}{clmt}{bx}{n}{}
\installfontas{ts1-lmtko10}{TS1}{clmt}{bx}{sl}{}
\installfontas{ts1-lmtl10}{TS1}{clmt}{l}{n}{}
\installfontas{ts1-lmtlo10}{TS1}{clmt}{l}{sl}{}
\installfontas{ts1-lmtlc10}{TS1}{clmt}{lc}{n}{}
\installfontas{ts1-lmtlco10}{TS1}{clmt}{lc}{sl}{}
```

clmv

```
\installfamily{TS1}{clmv}{}
\installfontas{ts1-lmvtt10}{TS1}{clmv}{m}{n}{}
\installfontas{ts1-lmvtto10}{TS1}{clmv}{m}{sl}{}
\installfontas{ts1-lmvtk10}{TS1}{clmv}{bx}{n}{}
\installfontas{ts1-lmvtko10}{TS1}{clmv}{bx}{sl}{}
\installfontas{ts1-lmvtl10}{TS1}{clmv}{l}{n}{}
\installfontas{ts1-lmvtlo10}{TS1}{clmv}{l}{sl}{}
```

clmd

```
\installfamily{TS1}{clmd}{}
\installfontas{ts1-lmdunh10}{TS1}{clmd}{m}{n}{}
\installfontas{ts1-lmduno10}{TS1}{clmd}{m}{sl}{}
```

TS1 for the families with tabular, oldstyle figures

clmj

```
\installfamily{TS1}{clmj}{}
\installfontas{ts1-lmr5}{TS1}{clmj}{m}{n}{<-5.5>}
```

```
\installfontas{ts1-lmr6}{TS1}{clmj}{m}{n}{<5.5-6.5>}
\installfontas{ts1-lmr7}{TS1}{clmj}{m}{n}{<6.5-7.5>}
\installfontas{ts1-lmr8}{TS1}{clmj}{m}{n}{<7.5-8.5>}
\installfontas{ts1-lmr9}{TS1}{clmj}{m}{n}{<8.5-9.5>}
\installfontas{ts1-lmr10}{TS1}{clmj}{m}{n}{<9.5-11>}
\installfontas{ts1-lmr12}{TS1}{clmj}{m}{n}{<11-15>}
\installfontas{ts1-lmr17}{TS1}{clmj}{m}{n}{<15->}
\installfontas{ts1-lmro8}{TS1}{clmj}{m}{sl}{<-8.5>}
\installfontas{ts1-lmro9}{TS1}{clmj}{m}{sl}{<8.5-9.5>}
\installfontas{ts1-lmro10}{TS1}{clmj}{m}{sl}{<9.5-11>}
\installfontas{ts1-lmro12}{TS1}{clmj}{m}{sl}{<11-15>}
\installfontas{ts1-lmro17}{TS1}{clmj}{m}{sl}{<15->}
\installfontas{ts1-lmri7}{TS1}{clmj}{m}{it}{<-7.5>}
\installfontas{ts1-lmri8}{TS1}{clmj}{m}{it}{<7.5-8.5>}
\installfontas{ts1-lmri9}{TS1}{clmj}{m}{it}{<8.5-9.5>}
\installfontas{ts1-lmri10}{TS1}{clmj}{m}{it}{<9.5-11>}
\installfontas{ts1-lmri12}{TS1}{clmj}{m}{it}{<11->}
\installfontas{ts1-lmu10}{TS1}{clmj}{m}{ui}{}
\installfontas{ts1-lmcsc10}{TS1}{clmj}{m}{sc}{}
\installfontas{ts1-lmcsco10}{TS1}{clmj}{m}{scsl}{}
```

Repeat for bold fonts

```
\installfontas{ts1-lmbx5}{TS1}{clmj}{bx}{n}{<-5.5>}
\installfontas{ts1-lmbx6}{TS1}{clmj}{bx}{n}{<5.5-6.5>}
\installfontas{ts1-lmbx7}{TS1}{clmj}{bx}{n}{<6.5-7.5>}
\installfontas{ts1-lmbx8}{TS1}{clmj}{bx}{n}{<7.5-8.5>}
\installfontas{ts1-lmbx9}{TS1}{clmj}{bx}{n}{<8.5-9.5>}
\installfontas{ts1-lmbx10}{TS1}{clmj}{bx}{n}{<9.5-11>}
\installfontas{ts1-lmbx12}{TS1}{clmj}{bx}{n}{<11->}
\installfontas{ts1-lmbxo10}{TS1}{clmj}{bx}{sl}{}
\installfontas{ts1-lmbxi10}{TS1}{clmj}{bx}{it}{}
```

Latin Modern default has these installed as bold, but the weight given in the font is demi and the demi weights in the sans-condensed are installed as demi, so I'm going for the same series - sb - here as they choose for those

```
\installfontas{ts1-lmb10}{TS1}{clmj}{sb}{n}{}
\installfontas{ts1-lmbo10}{TS1}{clmj}{sb}{sl}{}
```

clmjs

```
\installfamily{TS1}{clmjs}{}
\installfontas{ts1-lmss8}{TS1}{clmjs}{m}{n}{<-8.5>}
\installfontas{ts1-lmss9}{TS1}{clmjs}{m}{n}{<8.5-9.5>}
\installfontas{ts1-lmss10}{TS1}{clmjs}{m}{n}{<9.5-11>}
\installfontas{ts1-lmss12}{TS1}{clmjs}{m}{n}{<11-15>}
\installfontas{ts1-lmss17}{TS1}{clmjs}{m}{n}{<15->}
\installfontas{ts1-lmsso8}{TS1}{clmjs}{m}{sl}{<-8.5>}
\installfontas{ts1-lmsso9}{TS1}{clmjs}{m}{sl}{<8.5-9.5>}
\installfontas{ts1-lmsso10}{TS1}{clmjs}{m}{sl}{<9.5-11>}
\installfontas{ts1-lmsso12}{TS1}{clmjs}{m}{sl}{<11-15>}
\installfontas{ts1-lmsso17}{TS1}{clmjs}{m}{sl}{<15->}
\installfontas{ts1-lmssbx10}{TS1}{clmjs}{bx}{n}{}
\installfontas{ts1-lmssbo10}{TS1}{clmjs}{bx}{sl}{}
\installfontas{ts1-lmssdc10}{TS1}{clmjs}{sbc}{n}{}
\installfontas{ts1-lmssdo10}{TS1}{clmjs}{sbc}{sl}{}
```

clmjqs

```
\installfamily{TS1}{clmjqs}{}
\installfontas{ts1-lmssq8}{TS1}{clmjqs}{m}{n}{}
\installfontas{ts1-lmssqo8}{TS1}{clmjqs}{m}{sl}{}
```

```
\installfontas{ts1-lmssqbx8}{TS1}{clmjqs}{bx}{n}{}
\installfontas{ts1-lmssqbo8}{TS1}{clmjqs}{bx}{sl}{}
```

clmjt

```
\installfamily{TS1}{clmjt}{}
\installfontas{ts1-lmtt8}{TS1}{clmjt}{m}{n}{<-8.5>}
\installfontas{ts1-lmtt9}{TS1}{clmjt}{m}{n}{<8.5-9.5>}
\installfontas{ts1-lmtt10}{TS1}{clmjt}{m}{n}{<9.5-11>}
\installfontas{ts1-lmtt12}{TS1}{clmjt}{m}{n}{<11->}
\installfontas{ts1-lmtto10}{TS1}{clmjt}{m}{sl}{}
\installfontas{ts1-lmtti10}{TS1}{clmjt}{m}{it}{}
\installfontas{ts1-lmtcsc10}{TS1}{clmjt}{m}{sc}{}
\installfontas{ts1-lmtcso10}{TS1}{clmjt}{m}{scsl}{}
\installfontas{ts1-lmtk10}{TS1}{clmjt}{bx}{n}{}
\installfontas{ts1-lmtko10}{TS1}{clmjt}{bx}{sl}{}
\installfontas{ts1-lmtl10}{TS1}{clmjt}{l}{n}{}
\installfontas{ts1-lmtlo10}{TS1}{clmjt}{l}{sl}{}
\installfontas{ts1-lmtlc10}{TS1}{clmjt}{lc}{n}{}
\installfontas{ts1-lmtlco10}{TS1}{clmjt}{lc}{sl}{}
```

clmjv

```
\installfamily{TS1}{clmjv}{}
\installfontas{ts1-lmvtt10}{TS1}{clmjv}{m}{n}{}
\installfontas{ts1-lmvtto10}{TS1}{clmjv}{m}{sl}{}
\installfontas{ts1-lmvtk10}{TS1}{clmjv}{bx}{n}{}
\installfontas{ts1-lmvtko10}{TS1}{clmjv}{bx}{sl}{}
\installfontas{ts1-lmvtl10}{TS1}{clmjv}{l}{n}{}
\installfontas{ts1-lmvtlo10}{TS1}{clmjv}{l}{sl}{}
```

clmdj

```
\installfamily{TS1}{clmdj}{}
\installfontas{ts1-lmdunh10}{TS1}{clmdj}{m}{n}{}
\installfontas{ts1-lmduno10}{TS1}{clmdj}{m}{sl}{}
```

TS1

clm2

```
\installfamily{TS1}{clm2}{}
\installfontas{ts1-lmr5}{TS1}{clm2}{m}{n}{<-5.5>}
\installfontas{ts1-lmr6}{TS1}{clm2}{m}{n}{<5.5-6.5>}
\installfontas{ts1-lmr7}{TS1}{clm2}{m}{n}{<6.5-7.5>}
\installfontas{ts1-lmr8}{TS1}{clm2}{m}{n}{<7.5-8.5>}
\installfontas{ts1-lmr9}{TS1}{clm2}{m}{n}{<8.5-9.5>}
\installfontas{ts1-lmr10}{TS1}{clm2}{m}{n}{<9.5-11>}
\installfontas{ts1-lmr12}{TS1}{clm2}{m}{n}{<11-15>}
\installfontas{ts1-lmr17}{TS1}{clm2}{m}{n}{<15->}
\installfontas{ts1-lmro8}{TS1}{clm2}{m}{sl}{<-8.5>}
\installfontas{ts1-lmro9}{TS1}{clm2}{m}{sl}{<8.5-9.5>}
\installfontas{ts1-lmro10}{TS1}{clm2}{m}{sl}{<9.5-11>}
\installfontas{ts1-lmro12}{TS1}{clm2}{m}{sl}{<11-15>}
\installfontas{ts1-lmro17}{TS1}{clm2}{m}{sl}{<15->}
\installfontas{ts1-lmri7}{TS1}{clm2}{m}{it}{<-7.5>}
\installfontas{ts1-lmri8}{TS1}{clm2}{m}{it}{<7.5-8.5>}
\installfontas{ts1-lmri9}{TS1}{clm2}{m}{it}{<8.5-9.5>}
\installfontas{ts1-lmri10}{TS1}{clm2}{m}{it}{<9.5-11>}
\installfontas{ts1-lmri12}{TS1}{clm2}{m}{it}{<11->}
\installfontas{ts1-lmu10}{TS1}{clm2}{m}{ui}{}
\installfontas{ts1-lmcsc10}{TS1}{clm2}{m}{sc}{}
\installfontas{ts1-lmcsco10}{TS1}{clm2}{m}{scsl}{}
```

Repeat for bold fonts

```
\installfontas{ts1-lmbx5}{TS1}{clm2}{bx}{n}{<-5.5>}
\installfontas{ts1-lmbx6}{TS1}{clm2}{bx}{n}{<5.5-6.5>}
\installfontas{ts1-lmbx7}{TS1}{clm2}{bx}{n}{<6.5-7.5>}
\installfontas{ts1-lmbx8}{TS1}{clm2}{bx}{n}{<7.5-8.5>}
\installfontas{ts1-lmbx9}{TS1}{clm2}{bx}{n}{<8.5-9.5>}
\installfontas{ts1-lmbx10}{TS1}{clm2}{bx}{n}{<9.5-11>}
\installfontas{ts1-lmbx12}{TS1}{clm2}{bx}{n}{<11->}
\installfontas{ts1-lmbxo10}{TS1}{clm2}{bx}{sl}{}
\installfontas{ts1-lmbxi10}{TS1}{clm2}{bx}{it}{}
```

Latin Modern default has these installed as bold, but the weight given in the font is demi and the demi weights in the sans-condensed are installed as demi, so I'm going for the same series - sb - here as they choose for those

```
\installfontas{ts1-lmb10}{TS1}{clm2}{sb}{n}{}
\installfontas{ts1-lmbo10}{TS1}{clm2}{sb}{sl}{}
```

clm2s

```
\installfamily{TS1}{clm2s}{}
\installfontas{ts1-lmss8}{TS1}{clm2s}{m}{n}{<-8.5>}
\installfontas{ts1-lmss9}{TS1}{clm2s}{m}{n}{<8.5-9.5>}
\installfontas{ts1-lmss10}{TS1}{clm2s}{m}{n}{<9.5-11>}
\installfontas{ts1-lmss12}{TS1}{clm2s}{m}{n}{<11-15>}
\installfontas{ts1-lmss17}{TS1}{clm2s}{m}{n}{<15->}
\installfontas{ts1-lmsso8}{TS1}{clm2s}{m}{sl}{<-8.5>}
\installfontas{ts1-lmsso9}{TS1}{clm2s}{m}{sl}{<8.5-9.5>}
\installfontas{ts1-lmsso10}{TS1}{clm2s}{m}{sl}{<9.5-11>}
\installfontas{ts1-lmsso12}{TS1}{clm2s}{m}{sl}{<11-15>}
\installfontas{ts1-lmsso17}{TS1}{clm2s}{m}{sl}{<15->}
\installfontas{ts1-lmssbx10}{TS1}{clm2s}{bx}{n}{}
\installfontas{ts1-lmssbo10}{TS1}{clm2s}{bx}{sl}{}
\installfontas{ts1-lmssdc10}{TS1}{clm2s}{sbc}{n}{}
\installfontas{ts1-lmssdo10}{TS1}{clm2s}{sbc}{sl}{}
```

clm2qs

```
\installfamily{TS1}{clm2qs}{}
\installfontas{ts1-lmssq8}{TS1}{clm2qs}{m}{n}{}
\installfontas{ts1-lmssqo8}{TS1}{clm2qs}{m}{sl}{}
\installfontas{ts1-lmssqbx8}{TS1}{clm2qs}{bx}{n}{}
\installfontas{ts1-lmssqbo8}{TS1}{clm2qs}{bx}{sl}{}
```

clm2v

```
\installfamily{TS1}{clm2v}{}
\installfontas{ts1-lmvtt10}{TS1}{clm2v}{m}{n}{}
\installfontas{ts1-lmvtto10}{TS1}{clm2v}{m}{sl}{}
\installfontas{ts1-lmvtk10}{TS1}{clm2v}{bx}{n}{}
\installfontas{ts1-lmvtko10}{TS1}{clm2v}{bx}{sl}{}
\installfontas{ts1-lmvtl10}{TS1}{clm2v}{l}{n}{}
\installfontas{ts1-lmvtlo10}{TS1}{clm2v}{l}{sl}{}
```

clm2t

```
\installfamily{TS1}{clm2t}{}
\installfontas{ts1-lmtt8}{TS1}{clm2t}{m}{n}{<-8.5>}
\installfontas{ts1-lmtt9}{TS1}{clm2t}{m}{n}{<8.5-9.5>}
\installfontas{ts1-lmtt10}{TS1}{clm2t}{m}{n}{<9.5-11>}
\installfontas{ts1-lmtt12}{TS1}{clm2t}{m}{n}{<11->}
\installfontas{ts1-lmtto10}{TS1}{clm2t}{m}{sl}{}
\installfontas{ts1-lmtti10}{TS1}{clm2t}{m}{it}{}
```

```
\installfontas{ts1-lmtcsc10}{TS1}{clm2t}{m}{sc}{}
\installfontas{ts1-lmtcso10}{TS1}{clm2t}{m}{scsl}{}
\installfontas{ts1-lmtk10}{TS1}{clm2t}{bx}{n}{}
\installfontas{ts1-lmtko10}{TS1}{clm2t}{bx}{sl}{}
\installfontas{ts1-lmtl10}{TS1}{clm2t}{l}{n}{}
\installfontas{ts1-lmtlo10}{TS1}{clm2t}{l}{sl}{}
\installfontas{ts1-lmtlc10}{TS1}{clm2t}{lc}{n}{}
\installfontas{ts1-lmtlco10}{TS1}{clm2t}{lc}{sl}{}
```

clm2d

See note under T1 section

```
\installfamily{TS1}{clm2d}{}
\installfontas{ts1-lmdunh10}{TS1}{clm2d}{m}{n}{}
\installfontas{ts1-lmduno10}{TS1}{clm2d}{m}{sl}{}
```

TS1

clm2j

```
\installfamily{TS1}{clm2j}{}
\installfontas{ts1-lmr5}{TS1}{clm2j}{m}{n}{<-5.5>}
\installfontas{ts1-lmr6}{TS1}{clm2j}{m}{n}{<5.5-6.5>}
\installfontas{ts1-lmr7}{TS1}{clm2j}{m}{n}{<6.5-7.5>}
\installfontas{ts1-lmr8}{TS1}{clm2j}{m}{n}{<7.5-8.5>}
\installfontas{ts1-lmr9}{TS1}{clm2j}{m}{n}{<8.5-9.5>}
\installfontas{ts1-lmr10}{TS1}{clm2j}{m}{n}{<9.5-11>}
\installfontas{ts1-lmr12}{TS1}{clm2j}{m}{n}{<11-15>}
\installfontas{ts1-lmr17}{TS1}{clm2j}{m}{n}{<15->}
\installfontas{ts1-lmro8}{TS1}{clm2j}{m}{sl}{<-8.5>}
\installfontas{ts1-lmro9}{TS1}{clm2j}{m}{sl}{<8.5-9.5>}
\installfontas{ts1-lmro10}{TS1}{clm2j}{m}{sl}{<9.5-11>}
\installfontas{ts1-lmro12}{TS1}{clm2j}{m}{sl}{<11-15>}
\installfontas{ts1-lmro17}{TS1}{clm2j}{m}{sl}{<15->}
\installfontas{ts1-lmri7}{TS1}{clm2j}{m}{it}{<-7.5>}
\installfontas{ts1-lmri8}{TS1}{clm2j}{m}{it}{<7.5-8.5>}
\installfontas{ts1-lmri9}{TS1}{clm2j}{m}{it}{<8.5-9.5>}
\installfontas{ts1-lmri10}{TS1}{clm2j}{m}{it}{<9.5-11>}
\installfontas{ts1-lmri12}{TS1}{clm2j}{m}{it}{<11->}
\installfontas{ts1-lmu10}{TS1}{clm2j}{m}{ui}{}
\installfontas{ts1-lmcsc10}{TS1}{clm2j}{m}{sc}{}
\installfontas{ts1-lmcsco10}{TS1}{clm2j}{m}{scsl}{}
```

Repeat for bold fonts

```
\installfontas{ts1-lmbx5}{TS1}{clm2j}{bx}{n}{<-5.5>}
\installfontas{ts1-lmbx6}{TS1}{clm2j}{bx}{n}{<5.5-6.5>}
\installfontas{ts1-lmbx7}{TS1}{clm2j}{bx}{n}{<6.5-7.5>}
\installfontas{ts1-lmbx8}{TS1}{clm2j}{bx}{n}{<7.5-8.5>}
\installfontas{ts1-lmbx9}{TS1}{clm2j}{bx}{n}{<8.5-9.5>}
\installfontas{ts1-lmbx10}{TS1}{clm2j}{bx}{n}{<9.5-11>}
\installfontas{ts1-lmbx12}{TS1}{clm2j}{bx}{n}{<11->}
\installfontas{ts1-lmbxo10}{TS1}{clm2j}{bx}{sl}{}
\installfontas{ts1-lmbxi10}{TS1}{clm2j}{bx}{it}{}
```

Latin Modern default has these installed as bold, but the weight given in the font is demi and the demi weights in the sans-condensed are installed as demi, so I'm going for the same series - sb - here as they choose for those

```
\installfontas{ts1-lmb10}{TS1}{clm2j}{sb}{n}{}
\installfontas{ts1-lmbo10}{TS1}{clm2j}{sb}{sl}{}
```

clm2js

```
    \installfamily{TS1}{clm2js}{}
    \installfontas{ts1-lmss8}{TS1}{clm2js}{m}{n}{<-8.5>}
    \installfontas{ts1-lmss9}{TS1}{clm2js}{m}{n}{<8.5-9.5>}
    \installfontas{ts1-lmss10}{TS1}{clm2js}{m}{n}{<9.5-11>}
    \installfontas{ts1-lmss12}{TS1}{clm2js}{m}{n}{<11-15>}
    \installfontas{ts1-lmss17}{TS1}{clm2js}{m}{n}{<15->}
    \installfontas{ts1-lmsso8}{TS1}{clm2js}{m}{sl}{<-8.5>}
    \installfontas{ts1-lmsso9}{TS1}{clm2js}{m}{sl}{<8.5-9.5>}
    \installfontas{ts1-lmsso10}{TS1}{clm2js}{m}{sl}{<9.5-11>}
    \installfontas{ts1-lmsso12}{TS1}{clm2js}{m}{sl}{<11-15>}
    \installfontas{ts1-lmsso17}{TS1}{clm2js}{m}{sl}{<15->}
    \installfontas{ts1-lmssbx10}{TS1}{clm2js}{bx}{n}{}
    \installfontas{ts1-lmssbo10}{TS1}{clm2js}{bx}{sl}{}
    \installfontas{ts1-lmssdc10}{TS1}{clm2js}{sbc}{n}{}
    \installfontas{ts1-lmssdo10}{TS1}{clm2js}{sbc}{sl}{}
```

clm2jqs

```
    \installfamily{TS1}{clm2jqs}{}
    \installfontas{ts1-lmssq8}{TS1}{clm2jqs}{m}{n}{}
    \installfontas{ts1-lmssqo8}{TS1}{clm2jqs}{m}{sl}{}
    \installfontas{ts1-lmssqbx8}{TS1}{clm2jqs}{bx}{n}{}
    \installfontas{ts1-lmssqbo8}{TS1}{clm2jqs}{bx}{sl}{}
```

clm2jt

```
    \installfamily{TS1}{clm2jt}{}
    \installfontas{ts1-lmtt8}{TS1}{clm2jt}{m}{n}{<-8.5>}
    \installfontas{ts1-lmtt9}{TS1}{clm2jt}{m}{n}{<8.5-9.5>}
    \installfontas{ts1-lmtt10}{TS1}{clm2jt}{m}{n}{<9.5-11>}
    \installfontas{ts1-lmtt12}{TS1}{clm2jt}{m}{n}{<11->}
    \installfontas{ts1-lmtto10}{TS1}{clm2jt}{m}{sl}{}
    \installfontas{ts1-lmtti10}{TS1}{clm2jt}{m}{it}{}
    \installfontas{ts1-lmtcsc10}{TS1}{clm2jt}{m}{sc}{}
    \installfontas{ts1-lmtcso10}{TS1}{clm2jt}{m}{scsl}{}
    \installfontas{ts1-lmtk10}{TS1}{clm2jt}{bx}{n}{}
    \installfontas{ts1-lmtko10}{TS1}{clm2jt}{bx}{sl}{}
    \installfontas{ts1-lmtl10}{TS1}{clm2jt}{l}{n}{}
    \installfontas{ts1-lmtlo10}{TS1}{clm2jt}{l}{sl}{}
    \installfontas{ts1-lmtlc10}{TS1}{clm2jt}{lc}{n}{}
    \installfontas{ts1-lmtlco10}{TS1}{clm2jt}{lc}{sl}{}
```

clm2jv

```
    \installfamily{TS1}{clm2jv}{}
    \installfontas{ts1-lmvtt10}{TS1}{clm2jv}{m}{n}{}
    \installfontas{ts1-lmvtto10}{TS1}{clm2jv}{m}{sl}{}
    \installfontas{ts1-lmvtk10}{TS1}{clm2jv}{bx}{n}{}
    \installfontas{ts1-lmvtko10}{TS1}{clm2jv}{bx}{sl}{}
    \installfontas{ts1-lmvtl10}{TS1}{clm2jv}{l}{n}{}
    \installfontas{ts1-lmvtlo10}{TS1}{clm2jv}{l}{sl}{}
```

clm2dj

```
    \installfamily{TS1}{clm2dj}{}
    \installfontas{ts1-lmdunh10}{TS1}{clm2dj}{m}{n}{}
    \installfontas{ts1-lmduno10}{TS1}{clm2dj}{m}{sl}{}
  \endinstallfonts
\endrecordtransforms
\bye
```

2 Map

This file is compiled to produce the map file fragment `updmap` needs to install the fonts. It uses files recorded during compilation of the driver.

`clm-map.tex` (*map*) Create map file fragments.

```
\input finstmsc.sty
\resetstr{PSfontsuffix}{.pfb}
\adddriver{dvips}{clm.map}
\adddriver{pltotf}{clm-pltotf.sh}
\input clm-rec.tex
\donedrivers
\bye
```

3 Encodings

`etx` files may specify raw and/or output encodings. Those which are specific to cfr-lm are described below and included in `cfr-lm-build.pdf`. Those which are not are included as separate sources unless provided by `fontinst`.

3.1 Supplementary Encodings (Raw)

We need an additional 'raw' encoding to pick up characters otherwise missed. Many of these are here just because they are named differently, but this also covers fancy ligatures, alternate styles of digits etc.

- `dotdigits.etx`

3.1.1 `dotdigits.etx`

`dotdigits.etx` (*etx*) A supplementary raw encoding to capture characters not included in `8r.enc`.

```
\relax
\encoding
  \setslot{zero.prop}\endsetslot
  \setslot{one.prop}\endsetslot
  \setslot{two.prop}\endsetslot
  \setslot{three.prop}\endsetslot
  \setslot{four.prop}\endsetslot
  \setslot{five.prop}\endsetslot
  \setslot{six.prop}\endsetslot
  \setslot{seven.prop}\endsetslot
  \setslot{eight.prop}\endsetslot
  \setslot{nine.prop}\endsetslot
  \setslot{zero.fitted}\endsetslot
  \setslot{one.fitted}\endsetslot
  \setslot{two.fitted}\endsetslot
  \setslot{three.fitted}\endsetslot
  \setslot{four.fitted}\endsetslot
  \setslot{five.fitted}\endsetslot
  \setslot{six.fitted}\endsetslot
  \setslot{seven.fitted}\endsetslot
  \setslot{eight.fitted}\endsetslot
  \setslot{nine.fitted}\endsetslot
  \setslot{zero.proportional}\endsetslot
```

```
2096  \setslot{one.proportional}\endsetslot
2097  \setslot{two.proportional}\endsetslot
2098  \setslot{three.proportional}\endsetslot
2099  \setslot{four.proportional}\endsetslot
2100  \setslot{five.proportional}\endsetslot
2101  \setslot{six.proportional}\endsetslot
2102  \setslot{seven.proportional}\endsetslot
2103  \setslot{eight.proportional}\endsetslot
2104  \setslot{nine.proportional}\endsetslot
2105  \setslot{zero.tab}\endsetslot
2106  \setslot{one.tab}\endsetslot
2107  \setslot{two.tab}\endsetslot
2108  \setslot{three.tab}\endsetslot
2109  \setslot{four.tab}\endsetslot
2110  \setslot{five.tab}\endsetslot
2111  \setslot{six.tab}\endsetslot
2112  \setslot{seven.tab}\endsetslot
2113  \setslot{eight.tab}\endsetslot
2114  \setslot{nine.tab}\endsetslot
2115  \setslot{zero.tabular}\endsetslot
2116  \setslot{one.tabular}\endsetslot
2117  \setslot{two.tabular}\endsetslot
2118  \setslot{three.tabular}\endsetslot
2119  \setslot{four.tabular}\endsetslot
2120  \setslot{five.tabular}\endsetslot
2121  \setslot{six.tabular}\endsetslot
2122  \setslot{seven.tabular}\endsetslot
2123  \setslot{eight.tabular}\endsetslot
2124  \setslot{nine.tabular}\endsetslot
2125  \setslot{zero.oldstyle}\endsetslot
2126  \setslot{one.oldstyle}\endsetslot
2127  \setslot{two.oldstyle}\endsetslot
2128  \setslot{three.oldstyle}\endsetslot
2129  \setslot{four.oldstyle}\endsetslot
2130  \setslot{five.oldstyle}\endsetslot
2131  \setslot{six.oldstyle}\endsetslot
2132  \setslot{seven.oldstyle}\endsetslot
2133  \setslot{eight.oldstyle}\endsetslot
2134  \setslot{nine.oldstyle}\endsetslot
2135  \setslot{zero.propoldstyle}\endsetslot
2136  \setslot{one.propoldstyle}\endsetslot
2137  \setslot{two.propoldstyle}\endsetslot
2138  \setslot{three.propoldstyle}\endsetslot
2139  \setslot{four.propoldstyle}\endsetslot
2140  \setslot{five.propoldstyle}\endsetslot
2141  \setslot{six.propoldstyle}\endsetslot
2142  \setslot{seven.propoldstyle}\endsetslot
2143  \setslot{eight.propoldstyle}\endsetslot
2144  \setslot{nine.propoldstyle}\endsetslot
2145  \setslot{zero.taboldstyle}\endsetslot
2146  \setslot{one.taboldstyle}\endsetslot
2147  \setslot{two.taboldstyle}\endsetslot
2148  \setslot{three.taboldstyle}\endsetslot
2149  \setslot{four.taboldstyle}\endsetslot
2150  \setslot{five.taboldstyle}\endsetslot
2151  \setslot{six.taboldstyle}\endsetslot
2152  \setslot{seven.taboldstyle}\endsetslot
2153  \setslot{eight.taboldstyle}\endsetslot
2154  \setslot{nine.taboldstyle}\endsetslot
2155  \nextslot{250}
2156  \setslot{zero.slash}\endsetslot
```

```
\endencoding
```

3.2 Output Encodings

These files define modified T1 or TS1 font encodings.

The `etx` files are not used directly by LaTeX or TeX. Where needed, they are processed to produce `enc` files. In some cases, however, they are not themselves standalone encodings. Instead, they change how some other encoding is interpreted.

- `dotoldstyle.etx`
- `dotprop.etx`
- `dottaboldstyle.etx`
- `t1-clm.etx`

3.2.1 `dotoldstyle.etx`

`dotoldstyle.etx` (*etx*) A modifier which creates a font with proportional oldstyle figures.

```
\relax
\encoding
  \setcommand\digit#1{#1.oldstyle}
\endencoding
```

3.2.2 `dotprop.etx`

`dotprop.etx` (*etx*) A modifier which creates a font with proportional lining figures.

```
\relax
\encoding
  \setcommand\digit#1{#1.prop}
\endencoding
```

3.2.3 `dottaboldstyle.etx`

`dottaboldstyle.etx` (*etx*) A modifier which creates a font with tabular oldstyle figures.

```
\relax
\encoding
  \setcommand\digit#1{#1.taboldstyle}
\endencoding
```

3.2.4 `t1-clm.etx`

`t1-clm.etx` (*etx*) The primary EC/T1 encoding, which creates a font with tabular lining figures.

```
\relax
\encoding

\needsfontinstversion{1.910}

\setcommand\lc#1#2{#2}
\setcommand\uc#1#2{#1}
\setcommand\lctop#1#2{#2}
\setcommand\uctop#1#2{#1}
```

```
\setcommand\lclig#1#2{#2}
\ifisint{letterspacing}\then
   \ifnumber{\int{letterspacing}}={0}\then \Else
      \setcommand\uclig#1#2{#1spaced}
      \comment{Here we set \verb|\uclig#1#2| to \verb|#1spaced|, but
      you can't see it as \verb|\setcommand| commands are invisible in
      the typeset output.}
   \Fi
\Fi
\setcommand\uclig#1#2{#1}
\setcommand\digit#1{#1}

\ifisint{monowidth}\then
   \setint{ligaturing}{0}
\Else
   % The following empty line is *important* to get the formatting
   % right here (sigh)! (Remember that it is a \par token.)

   \ifisint{letterspacing}\then
      \ifnumber{\int{letterspacing}}={0}\then \Else
         \setint{ligaturing}{0}
      \Fi
   \Fi
  \setint{ligaturing}{1}
\Fi

\setint{italicslant}{0}
\setint{quad}{1000}
\setint{baselineskip}{1200}

\ifisglyph{x}\then
   \setint{xheight}{\height{x}}
\Else
   \setint{xheight}{500}
\Fi

\ifisglyph{space}\then
   \setint{interword}{\width{space}}
\Else\ifisglyph{i}\then
   \setint{interword}{\width{i}}
\Else
   \setint{interword}{333}
\Fi\Fi

\ifisint{monowidth}\then
   \setint{stretchword}{0}
   \setint{shrinkword}{0}
   \setint{extraspace}{\int{interword}}
\Else
   \setint{stretchword}{\scale{\int{interword}}{600}}
   \setint{shrinkword}{\scale{\int{interword}}{240}}
   \setint{extraspace}{\scale{\int{interword}}{240}}
\Fi

\ifisglyph{X}\then
   \setint{capheight}{\height{X}}
\Else
   \setint{capheight}{750}
\Fi

\ifisglyph{d}\then
```

```
    \setint{ascender}{\height{d}}
\Else\ifisint{capheight}\then
    \setint{ascender}{\int{capheight}}
\Else
    \setint{ascender}{750}
\Fi\Fi

\ifisglyph{Aring}\then
    \setint{acccapheight}{\height{Aring}}
\Else
    \setint{acccapheight}{999}
\Fi

\ifisint{descender_neg}\then
    \setint{descender}{\neg{\int{descender_neg}}}
\Else\ifisglyph{p}\then
    \setint{descender}{\depth{p}}
\Else
    \setint{descender}{250}
\Fi\Fi

\ifisglyph{Aring}\then
    \setint{maxheight}{\height{Aring}}
\Else
    \setint{maxheight}{1000}
\Fi

\ifisint{maxdepth_neg}\then
    \setint{maxdepth}{\neg{\int{maxdepth_neg}}}
\Else\ifisglyph{j}\then
    \setint{maxdepth}{\depth{j}}
\Else
    \setint{maxdepth}{250}
\Fi\Fi

\ifisglyph{six}\then
    \setint{digitwidth}{\width{six}}
\Else
    \setint{digitwidth}{500}
\Fi

\setint{capstem}{0} % not in AFM files

\setfontdimen{1}{italicslant}    % italic slant
\setfontdimen{2}{interword}      % interword space
\setfontdimen{3}{stretchword}    % interword stretch
\setfontdimen{4}{shrinkword}     % interword shrink
\setfontdimen{5}{xheight}        % x-height
\setfontdimen{6}{quad}           % quad
\setfontdimen{7}{extraspace}     % extra space after .
\setfontdimen{8}{capheight}      % cap height
\setfontdimen{9}{ascender}       % ascender
\setfontdimen{10}{acccapheight}  % accented cap height
\setfontdimen{11}{descender}     % descender's depth
\setfontdimen{12}{maxheight}     % max height
\setfontdimen{13}{maxdepth}      % max depth
\setfontdimen{14}{digitwidth}    % digit width
\setfontdimen{15}{verticalstem}  % dominant width of verical stems
\setfontdimen{16}{baselineskip}  % baselineskip

\ifnumber{\int{ligaturing}}<{0}\then
```

```
2301    \comment{In this case, the codingscheme can be different from the
2302      default, and therefore we refrain from setting it.}
2303 \Else
2304    \setstr{codingscheme}{EXTENDED TEX FONT ENCODING - CFR LM}
2305 \Fi
2306
2307 \setslot{\lc{Grave}{grave}}
2308    \comment{The grave accent `\`{}'.}
2309 \endsetslot
2310
2311 \setslot{\lc{Acute}{acute}}
2312    \comment{The acute accent `\'{}'.}
2313 \endsetslot
2314
2315 \setslot{\lc{Circumflex}{circumflex}}
2316    \comment{The circumflex accent `\^{}'.}
2317 \endsetslot
2318
2319 \setslot{\lc{Tilde}{tilde}}
2320    \comment{The tilde accent `\~{}'.}
2321 \endsetslot
2322
2323 \setslot{\lc{Dieresis}{dieresis}}
2324    \comment{The umlaut or dieresis accent `\"{}'.}
2325 \endsetslot
2326
2327 \setslot{\lc{Hungarumlaut}{hungarumlaut}}
2328    \comment{The long Hungarian umlaut `\H{}'.}
2329 \endsetslot
2330
2331 \setslot{\lc{Ring}{ring}}
2332    \comment{The ring accent `\r{}'.}
2333 \endsetslot
2334
2335 \setslot{\lc{Caron}{caron}}
2336    \comment{The caron or h\'a\v cek accent `\v{}'.}
2337 \endsetslot
2338
2339 \setslot{\lc{Breve}{breve}}
2340    \comment{The breve accent `\u{}'.}
2341 \endsetslot
2342
2343 \setslot{\lc{Macron}{macron}}
2344    \comment{The macron accent `\={}'.}
2345 \endsetslot
2346
2347 \setslot{\lc{Dotaccent}{dotaccent}}
2348    \comment{The dot accent `\.{}'.}
2349 \endsetslot
2350
2351 \setslot{\lc{Cedilla}{cedilla}}
2352    \comment{The cedilla accent `\c {}'.}
2353 \endsetslot
2354
2355 \setslot{\lc{Ogonek}{ogonek}}
2356    \comment{The ogonek accent `\k {}'.}
2357 \endsetslot
2358
2359 \setslot{quotesinglbase}
2360   \comment{A German single quote mark `\quotesinglbase' similar to a comma,
2361       but with different sidebearings.}
```

```
\endsetslot

\setslot{guilsinglleft}
  \comment{A French single opening quote mark `\guilsinglleft',
      unavailable in \plain\ \TeX.}
\endsetslot

\setslot{guilsinglright}
  \comment{A French single closing quote mark `\guilsinglright',
      unavailable in \plain\ \TeX.}
\endsetslot

\setslot{quotedblleft}
  \comment{The English opening quote mark `\,\textquotedblleft\,'.}
\endsetslot

\setslot{quotedblright}
  \comment{The English closing quote mark `\,\textquotedblright\,'.}
\endsetslot

\setslot{quotedblbase}
  \comment{A German double quote mark `\quotedblbase' similar to two commas,
      but with tighter letterspacing and different sidebearings.}
\endsetslot

\setslot{guillemotleft}
  \comment{A French double opening quote mark `\guillemotleft',
      unavailable in \plain\ \TeX.}
\endsetslot

\setslot{guillemotright}
  \comment{A French closing opening quote mark `\guillemotright',
      unavailable in \plain\ \TeX.}
\endsetslot

\setslot{endash}
   \ligature{LIG}{hyphen}{emdash}
   \comment{The number range dash `1--9'. This is called `rangedash' by fontinst's t1.etx,
   but it needs to be called `endash' to work right. The `\textendash'.  In a monowidth font,
   this
      might be set as `\texttt{1{-}9}'.}
\endsetslot

\setslot{emdash}
   \comment{The punctuation dash `Oh---boy.' This is calle `punctdash' by fontinst's t1.etx,
   but needs to be called `emdash' to work right. The `\textemdash'.  In a monowidth font,
   this
      might be set as `\texttt{Oh{-}{-}boy.}'}
\endsetslot

\setslot{cwm}
   \comment{An invisible glyph, with zero width and depth, but the
      height of lowercase letters without ascenders.
      It is used to stop ligaturing in words like `shelf{}ful'.}
\endsetslot

\setslot{perthousandzero}
   \comment{A glyph which is placed after `\%' to produce a
      `per-thousand', or twice to produce `per-ten-thousand'.
      Your guess is as good as mine as to what this glyph should look
      like in a monowidth font.}
```

```
\endsetslot

\setslot{\lc{dotlessI}{dotlessi}}
   \comment{A dotless i `\i', used to produce accented letters such as
      `\=\i'.}
\endsetslot

\setslot{\lc{dotlessJ}{dotlessj}}
   \comment{A dotless j `\j', used to produce accented letters such as
      `\=\j'.  Most non-\TeX\ fonts do not have this glyph.}
\endsetslot

\ifnumber{\int{ligaturing}}<{0}\then \skipslots{5}\Else

\setslot{\lclig{FF}{ff}}
   \ifnumber{\int{ligaturing}}>{0}\then
      \ligature{LIG}{\lc{I}{i}}{\lclig{FFI}{ffi}}
      \ligature{LIG}{\lc{L}{l}}{\lclig{FFL}{ffl}}
   \Fi
   \comment{The `ff' ligature.  It should be two characters wide in a
      monowidth font.}
\endsetslot

\setslot{\lclig{FI}{fi}}
   \comment{The `fi' ligature.  It should be two characters wide in a
      monowidth font.}
\endsetslot

\setslot{\lclig{FL}{fl}}
   \comment{The `fl' ligature.  It should be two characters wide in a
      monowidth font.}
\endsetslot

\setslot{\lclig{FFI}{ffi}}
   \comment{The `ffi' ligature.  It should be three characters wide in a
      monowidth font.}
\endsetslot

\setslot{\lclig{FFL}{ffl}}
   \comment{The `ffl' ligature.  It should be three characters wide in a
      monowidth font.}
\endsetslot

\Fi

\setslot{uni2423}
   \comment{A visible space glyph `\textvisiblespace'.}
\endsetslot

\setslot{exclam}
   \ligature{LIG}{quoteleft}{exclamdown}
   \comment{The exclamation mark `!'.}
\endsetslot

\setslot{quotedbl}
  \comment{The `neutral' double quotation mark `\,\textquotedbl\,',
      included for use in monowidth fonts, or for setting computer
      programs.  Note that the inclusion of this glyph in this slot
      means that \TeX\ documents which used `{\tt\char`\"}' as an
      input character will no longer work.}
\endsetslot
```

```
2480
2481 \setslot{numbersign}
2482    \comment{The hash sign `\#'.}
2483 \endsetslot
2484
2485 \setslot{dollar}
2486    \comment{The dollar sign `\$'.}
2487 \endsetslot
2488
2489 \setslot{percent}
2490    \comment{The percent sign `\%'.}
2491 \endsetslot
2492
2493 \setslot{ampersand}
2494    \comment{The ampersand sign `\&'.}
2495 \endsetslot
2496
2497 \setslot{quoteright}
2498    \ligature{LIG}{quoteright}{quotedblright}
2499    \comment{The English closing single quote mark `\,\textquoteright\,'.}
2500 \endsetslot
2501
2502 \setslot{parenleft}
2503    \comment{The opening parenthesis `('.}
2504 \endsetslot
2505
2506 \setslot{parenright}
2507    \comment{The closing parenthesis `)'.}
2508 \endsetslot
2509
2510 \setslot{asterisk}
2511    \comment{The raised asterisk `*'.}
2512 \endsetslot
2513
2514 \setslot{plus}
2515    \comment{The addition sign `+'.}
2516 \endsetslot
2517
2518 \setslot{comma}
2519    \ligature{LIG}{comma}{quotedblbase}
2520    \comment{The comma `,'.}
2521 \endsetslot
2522
2523 \setslot{hyphen}
2524    \ligature{LIG}{hyphen}{endash}
2525    \ligature{LIG}{hyphen.alt}{hyphen.alt}
2526    \comment{The hyphen `-'.}
2527 \endsetslot
2528
2529 \setslot{period}
2530    \comment{The period `.'.}
2531 \endsetslot
2532
2533 \setslot{slash}
2534    \comment{The forward oblique `/'.}
2535 \endsetslot
2536
2537 \setslot{\digit{zero}}
2538    \comment{The number `0'.  This (and all the other numerals) may be
2539       old style or ranging digits.}
2540 \endsetslot
```

```
2541
2542 \setslot{\digit{one}}
2543    \comment{The number `1'.}
2544 \endsetslot
2545
2546 \setslot{\digit{two}}
2547    \comment{The number `2'.}
2548 \endsetslot
2549
2550 \setslot{\digit{three}}
2551    \comment{The number `3'.}
2552 \endsetslot
2553
2554 \setslot{\digit{four}}
2555    \comment{The number `4'.}
2556 \endsetslot
2557
2558 \setslot{\digit{five}}
2559    \comment{The number `5'.}
2560 \endsetslot
2561
2562 \setslot{\digit{six}}
2563    \comment{The number `6'.}
2564 \endsetslot
2565
2566 \setslot{\digit{seven}}
2567    \comment{The number `7'.}
2568 \endsetslot
2569
2570 \setslot{\digit{eight}}
2571    \comment{The number `8'.}
2572 \endsetslot
2573
2574 \setslot{\digit{nine}}
2575    \comment{The number `9'.}
2576 \endsetslot
2577
2578 \setslot{colon}
2579    \comment{The colon punctuation mark `:'.}
2580 \endsetslot
2581
2582 \setslot{semicolon}
2583    \comment{The semi-colon punctuation mark `;'.}
2584 \endsetslot
2585
2586 \setslot{less}
2587    \ligature{LIG}{less}{guillemotleft}
2588    \comment{The less-than sign `\textless'.}
2589 \endsetslot
2590
2591 \setslot{equal}
2592    \comment{The equals sign `='.}
2593 \endsetslot
2594
2595 \setslot{greater}
2596    \ligature{LIG}{greater}{guillemotright}
2597    \comment{The greater-than sign `\textgreater'.}
2598 \endsetslot
2599
2600 \setslot{question}
2601    \ligature{LIG}{quoteleft}{questiondown}
```

```
2602    \comment{The question mark `?'.}
2603 \endsetslot
2604
2605 \setslot{at}
2606    \comment{The at sign `@'.}
2607 \endsetslot
2608
2609 \setslot{\uc{A}{a}}
2610    \comment{The letter `{A}'.}
2611 \endsetslot
2612
2613 \setslot{\uc{B}{b}}
2614    \comment{The letter `{B}'.}
2615 \endsetslot
2616
2617 \setslot{\uc{C}{c}}
2618    \comment{The letter `{C}'.}
2619 \endsetslot
2620
2621 \setslot{\uc{D}{d}}
2622    \comment{The letter `{D}'.}
2623 \endsetslot
2624
2625 \setslot{\uc{E}{e}}
2626    \comment{The letter `{E}'.}
2627 \endsetslot
2628
2629 \setslot{\uc{F}{f}}
2630    \comment{The letter `{F}'.}
2631 \endsetslot
2632
2633 \setslot{\uc{G}{g}}
2634    \comment{The letter `{G}'.}
2635 \endsetslot
2636
2637 \setslot{\uc{H}{h}}
2638    \comment{The letter `{H}'.}
2639 \endsetslot
2640
2641 \ifnumber{\int{ligaturing}}<{-1}\then \skipslots{1}\Else
2642
2643 \setslot{\uc{I}{i}}
2644    \comment{The letter `{I}'.}
2645 \endsetslot
2646
2647 \Fi
2648
2649 \setslot{\uc{J}{j}}
2650    \comment{The letter `{J}'.}
2651 \endsetslot
2652
2653 \setslot{\uc{K}{k}}
2654    \comment{The letter `{K}'.}
2655 \endsetslot
2656
2657 \setslot{\uc{L}{l}}
2658    \comment{The letter `{L}'.}
2659 \endsetslot
2660
2661 \setslot{\uc{M}{m}}
2662    \comment{The letter `{M}'.}
```

```
\endsetslot

\setslot{\uc{N}{n}}
   \comment{The letter `{N}'.}
\endsetslot

\setslot{\uc{O}{o}}
   \comment{The letter `{O}'.}
\endsetslot

\setslot{\uc{P}{p}}
   \comment{The letter `{P}'.}
\endsetslot

\setslot{\uc{Q}{q}}
   \comment{The letter `{Q}'.}
\endsetslot

\setslot{\uc{R}{r}}
   \comment{The letter `{R}'.}
\endsetslot

\setslot{\uc{S}{s}}
   \comment{The letter `{S}'.}
\endsetslot

\setslot{\uc{T}{t}}
   \comment{The letter `{T}'.}
\endsetslot

\setslot{\uc{U}{u}}
   \comment{The letter `{U}'.}
\endsetslot

\setslot{\uc{V}{v}}
   \comment{The letter `{V}'.}
\endsetslot

\setslot{\uc{W}{w}}
   \comment{The letter `{W}'.}
\endsetslot

\setslot{\uc{X}{x}}
   \comment{The letter `{X}'.}
\endsetslot

\setslot{\uc{Y}{y}}
   \comment{The letter `{Y}'.}
\endsetslot

\setslot{\uc{Z}{z}}
   \comment{The letter `{Z}'.}
\endsetslot

\setslot{bracketleft}
   \comment{The opening square bracket `['.}
\endsetslot

\setslot{backslash}
   \comment{The backwards oblique `\textbackslash'.}
\endsetslot
```

```
2724
2725 \setslot{bracketright}
2726    \comment{The closing square bracket ‘]’.}
2727 \endsetslot
2728
2729 \setslot{asciicircum}
2730    \comment{The ASCII upward-pointing arrow head ‘\textasciicircum’.
2731       This is included for compatibility with typewriter fonts used
2732       for computer listings.}
2733 \endsetslot
2734
2735 \setslot{underscore}
2736    \comment{The ASCII underline character ‘\textunderscore’, usually
2737       set on the baseline.
2738       This is included for compatibility with typewriter fonts used
2739       for computer listings.}
2740 \endsetslot
2741
2742 \setslot{quoteleft}
2743    \ligature{LIG}{quoteleft}{quotedblleft}
2744    \comment{The English opening single quote mark ‘\,\textquoteleft\,’.}
2745 \endsetslot
2746
2747 \setslot{\lc{A}{a}}
2748    \comment{The letter ‘{a}’.}
2749 \endsetslot
2750
2751 \setslot{\lc{B}{b}}
2752    \comment{The letter ‘{b}’.}
2753 \endsetslot
2754
2755 \ifnumber{\int{ligaturing}}<{-1}\then \skipslots{1}\Else
2756
2757    \setslot{\lc{C}{c}}
2758       \comment{The letter ‘{c}’.}
2759    \endsetslot
2760
2761 \Fi
2762
2763 \setslot{\lc{D}{d}}
2764    \comment{The letter ‘{d}’.}
2765 \endsetslot
2766
2767 \setslot{\lc{E}{e}}
2768    \comment{The letter ‘{e}’.}
2769 \endsetslot
2770
2771 \ifnumber{\int{ligaturing}}<{-1}\then \skipslots{1}\Else
2772
2773    \setslot{\lc{F}{f}}
2774       \ifnumber{\int{ligaturing}}>{0}\then
2775          \ligature{LIG}{\lc{I}{i}}{\lclig{FI}{fi}}
2776          \ligature{LIG}{\lc{F}{f}}{\lclig{FF}{ff}}
2777          \ligature{LIG}{\lc{L}{l}}{\lclig{FL}{fl}}
2778       \Fi
2779       \comment{The letter ‘{f}’.}
2780    \endsetslot
2781
2782 \Fi
2783
2784 \setslot{\lc{G}{g}}
```

```
2785    \comment{The letter ‘{g}’.}
2786 \endsetslot
2787
2788 \setslot{\lc{H}{h}}
2789    \comment{The letter ‘{h}’.}
2790 \endsetslot
2791
2792 \ifnumber{\int{ligaturing}}<{-1}\then \skipslots{1}\Else
2793
2794    \setslot{\lc{I}{i}}
2795       \comment{The letter ‘{i}’.}
2796    \endsetslot
2797
2798 \Fi
2799
2800 \setslot{\lc{J}{j}}
2801    \comment{The letter ‘{j}’.}
2802 \endsetslot
2803
2804 \setslot{\lc{K}{k}}
2805    \comment{The letter ‘{k}’.}
2806 \endsetslot
2807
2808 \setslot{\lc{L}{l}}
2809    \comment{The letter ‘{l}’.}
2810 \endsetslot
2811
2812 \setslot{\lc{M}{m}}
2813    \comment{The letter ‘{m}’.}
2814 \endsetslot
2815
2816 \setslot{\lc{N}{n}}
2817    \comment{The letter ‘{n}’.}
2818 \endsetslot
2819
2820 \setslot{\lc{O}{o}}
2821    \comment{The letter ‘{o}’.}
2822 \endsetslot
2823
2824 \setslot{\lc{P}{p}}
2825    \comment{The letter ‘{p}’.}
2826 \endsetslot
2827
2828 \setslot{\lc{Q}{q}}
2829    \comment{The letter ‘{q}’.}
2830 \endsetslot
2831
2832 \setslot{\lc{R}{r}}
2833    \comment{The letter ‘{r}’.}
2834 \endsetslot
2835
2836 \ifnumber{\int{ligaturing}}<{-1}\then \skipslots{1}\Else
2837
2838    \setslot{\lc{S}{s}}
2839       \comment{The letter ‘{s}’.}
2840    \endsetslot
2841
2842 \Fi
2843
2844 \setslot{\lc{T}{t}}
2845    \comment{The letter ‘{t}’.}
```

```
\endsetslot

\setslot{\lc{U}{u}}
   \comment{The letter `{u}'.}
\endsetslot

\setslot{\lc{V}{v}}
   \comment{The letter `{v}'.}
\endsetslot

\setslot{\lc{W}{w}}
   \comment{The letter `{w}'.}
\endsetslot

\setslot{\lc{X}{x}}
   \comment{The letter `{x}'.}
\endsetslot

\setslot{\lc{Y}{y}}
   \comment{The letter `{y}'.}
\endsetslot

\setslot{\lc{Z}{z}}
   \comment{The letter `{z}'.}
\endsetslot

\setslot{braceleft}
   \comment{The opening curly brace `\textbraceleft'.}
\endsetslot

\setslot{bar}
   \comment{The ASCII vertical bar `\textbar'.
      This is included for compatibility with typewriter fonts used
      for computer listings.}
\endsetslot

\setslot{braceright}
   \comment{The closing curly brace `\textbraceright'.}
\endsetslot

\setslot{asciitilde}
   \comment{The ASCII tilde `\textasciitilde'.
      This is included for compatibility with typewriter fonts used
      for computer listings.}
\endsetslot

\setslot{hyphen.alt}
   \comment{The glyph used for hyphenation in this font, which will
      almost always be the same as `hyphen'.}
\endsetslot

\setslot{\uctop{Abreve}{abreve}}
   \comment{The letter `\u A'.}
\endsetslot

\setslot{\uc{Aogonek}{aogonek}}
   \comment{The letter `\k A'.}
\endsetslot

\setslot{\uctop{Cacute}{cacute}}
   \comment{The letter `\' C'.}
```

```
\endsetslot

\setslot{\uctop{Ccaron}{ccaron}}
   \comment{The letter `\v C'.}
\endsetslot

\setslot{\uctop{Dcaron}{dcaron}}
   \comment{The letter `\v D'.}
\endsetslot

\setslot{\uctop{Ecaron}{ecaron}}
   \comment{The letter `\v E'.}
\endsetslot

\setslot{\uc{Eogonek}{eogonek}}
   \comment{The letter `\k E'.}
\endsetslot

\setslot{\uctop{Gbreve}{gbreve}}
   \comment{The letter `\u G'.}
\endsetslot

\setslot{\uctop{Lacute}{lacute}}
   \comment{The letter `\' L'.}
\endsetslot

\setslot{\uc{Lcaron}{lcaron}}
   \comment{The letter `\v L'.}
\endsetslot

\setslot{\uc{Lslash}{lslash}}
   \comment{The letter `\L'.}
\endsetslot

\setslot{\uctop{Nacute}{nacute}}
   \comment{The letter `\' N'.}
\endsetslot

\setslot{\uctop{Ncaron}{ncaron}}
   \comment{The letter `\v N'.}
\endsetslot

\setslot{\uc{Eng}{eng}}
   \comment{The Sami letter `\NG'.  It is unavailable in \plain\ \TeX. This needs to be
   called `Eng'/`eng' rather than `Ng'/`ng' as in t1.etx in most cases, it seems.}
\endsetslot

\setslot{\uctop{Ohungarumlaut}{ohungarumlaut}}
   \comment{The letter `\H O'.}
\endsetslot

\setslot{\uctop{Racute}{racute}}
   \comment{The letter `\' R'.}
\endsetslot

\setslot{\uctop{Rcaron}{rcaron}}
   \comment{The letter `\v R'.}
\endsetslot

\setslot{\uctop{Sacute}{sacute}}
   \comment{The letter `\' S'.}
```

```
\endsetslot

\setslot{\uctop{Scaron}{scaron}}
   \comment{The letter `\v S'.}
\endsetslot

\setslot{\uc{Scedilla}{scedilla}}
   \comment{The letter `\c S'.}
\endsetslot

\setslot{\uctop{Tcaron}{tcaron}}
   \comment{The letter `\v T'.}
\endsetslot

\setslot{\uc{Tcedilla}{tcedilla}}
   \comment{The letter `\c T'.}
\endsetslot

\setslot{\uctop{Uhungarumlaut}{uhungarumlaut}}
   \comment{The letter `\H U'.}
\endsetslot

\setslot{\uctop{Uring}{uring}}
   \comment{The letter `\r U'.}
\endsetslot

\setslot{\uctop{Ydieresis}{ydieresis}}
   \comment{The letter `\" Y'.}
\endsetslot

\setslot{\uctop{Zacute}{zacute}}
   \comment{The letter `\' Z'.}
\endsetslot

\setslot{\uctop{Zcaron}{zcaron}}
   \comment{The letter `\v Z'.}
\endsetslot

\setslot{\uctop{Zdotaccent}{zdotaccent}}
   \comment{The letter `\. Z'.}
\endsetslot

\ifnumber{\int{ligaturing}}<{0}\then \skipslots{1}\Else

   \setslot{\uclig{IJ}{ij}}
      \comment{The letter `IJ'.  This is a single letter, and in a
        monowidth font should ideally be one letter wide.}
   \endsetslot

\Fi

\setslot{\uctop{Idotaccent}{idotaccent}}
   \comment{The letter `\. I'.}
\endsetslot

\setslot{\lc{Dcroat}{dcroat}}
   \comment{The letter `\dj'.}
\endsetslot

\setslot{section}
   \comment{The section mark `\textsection'.}
```

```
\endsetslot

\setslot{\lctop{Abreve}{abreve}}
   \comment{The letter `\u a'.}
\endsetslot

\setslot{\lc{Aogonek}{aogonek}}
   \comment{The letter `\k a'.}
\endsetslot

\setslot{\lctop{Cacute}{cacute}}
   \comment{The letter `\' c'.}
\endsetslot

\setslot{\lctop{Ccaron}{ccaron}}
   \comment{The letter `\v c'.}
\endsetslot

\setslot{\lctop{Dcaron}{dcaron}}
   \comment{The letter `\v d'.}
\endsetslot

\setslot{\lctop{Ecaron}{ecaron}}
   \comment{The letter `\v e'.}
\endsetslot

\setslot{\lc{Eogonek}{eogonek}}
   \comment{The letter `\k e'.}
\endsetslot

\setslot{\lctop{Gbreve}{gbreve}}
   \comment{The letter `\u g'.}
\endsetslot

\setslot{\lctop{Lacute}{lacute}}
   \comment{The letter `\' l'.}
\endsetslot

\setslot{\lc{Lcaron}{lcaron}}
   \comment{The letter `\v l'.}
\endsetslot

\setslot{\lc{Lslash}{lslash}}
   \comment{The letter `\l'.}
\endsetslot

\setslot{\lctop{Nacute}{nacute}}
   \comment{The letter `\' n'.}
\endsetslot

\setslot{\lctop{Ncaron}{ncaron}}
   \comment{The letter `\v n'.}
\endsetslot

\setslot{\lc{Eng}{eng}}
   \comment{The Sami letter `\ng'.  It is unavailable in \plain\ \TeX. This needs to be
   called `Eng'/`eng' rather than `Ng'/`ng' as it is in t1.etx in most cases, it seems.}
\endsetslot

\setslot{\lctop{Ohungarumlaut}{ohungarumlaut}}
   \comment{The letter `\H o'.}
```

```
\endsetslot

\setslot{\lctop{Racute}{racute}}
   \comment{The letter `\' r'.}
\endsetslot

\setslot{\lctop{Rcaron}{rcaron}}
   \comment{The letter `\v r'.}
\endsetslot

\setslot{\lctop{Sacute}{sacute}}
   \comment{The letter `\' s'.}
\endsetslot

\setslot{\lctop{Scaron}{scaron}}
   \comment{The letter `\v s'.}
\endsetslot

\setslot{\lc{Scedilla}{scedilla}}
   \comment{The letter `\c s'.}
\endsetslot

\setslot{\lctop{Tcaron}{tcaron}}
   \comment{The letter `\v t'.}
\endsetslot

\setslot{\lc{Tcedilla}{tcedilla}}
   \comment{The letter `\c t'.}
\endsetslot

\setslot{\lctop{Uhungarumlaut}{uhungarumlaut}}
   \comment{The letter `\H u'.}
\endsetslot

\setslot{\lctop{Uring}{uring}}
   \comment{The letter `\r u'.}
\endsetslot

\setslot{\lctop{Ydieresis}{ydieresis}}
   \comment{The letter `\" y'.}
\endsetslot

\setslot{\lctop{Zacute}{zacute}}
   \comment{The letter `\' z'.}
\endsetslot

\setslot{\lctop{Zcaron}{zcaron}}
   \comment{The letter `\v z'.}
\endsetslot

\setslot{\lctop{Zdotaccent}{zdotaccent}}
   \comment{The letter `\. z'.}
\endsetslot

\ifnumber{\int{ligaturing}}<{0}\then \skipslots{1}\Else

   \setslot{\lclig{IJ}{ij}}
      \comment{The letter `ij'.  This is a single letter, and in a
        monowidth font should ideally be one letter wide.}
   \endsetslot

```

```
\Fi

\setslot{exclamdown}
   \comment{The Spanish punctuation mark `!`.}
\endsetslot

\setslot{questiondown}
   \comment{The Spanish punctuation mark `?`.}
\endsetslot

\setslot{sterling}
   \comment{The British currency mark `\textsterling'.}
\endsetslot

\setslot{\uctop{Agrave}{agrave}}
   \comment{The letter `\` A'.}
\endsetslot

\setslot{\uctop{Aacute}{aacute}}
   \comment{The letter `\' A'.}
\endsetslot

\setslot{\uctop{Acircumflex}{acircumflex}}
   \comment{The letter `\^ A'.}
\endsetslot

\setslot{\uctop{Atilde}{atilde}}
   \comment{The letter `\~ A'.}
\endsetslot

\setslot{\uctop{Adieresis}{adieresis}}
   \comment{The letter `\" A'.}
\endsetslot

\setslot{\uctop{Aring}{aring}}
   \comment{The letter `\r A'.}
\endsetslot

\setslot{\uc{AE}{ae}}
   \comment{The letter `\AE'.  This is a single letter, and should not be
      faked with `AE'.}
\endsetslot

\setslot{\uc{Ccedilla}{ccedilla}}
   \comment{The letter `\c C'.}
\endsetslot

\setslot{\uctop{Egrave}{egrave}}
   \comment{The letter `\` E'.}
\endsetslot

\setslot{\uctop{Eacute}{eacute}}
   \comment{The letter `\' E'.}
\endsetslot

\setslot{\uctop{Ecircumflex}{ecircumflex}}
   \comment{The letter `\^ E'.}
\endsetslot

\setslot{\uctop{Edieresis}{edieresis}}
   \comment{The letter `\" E'.}
```

```
\endsetslot

\setslot{\uctop{Igrave}{igrave}}
   \comment{The letter `\` I'.}
\endsetslot

\setslot{\uctop{Iacute}{iacute}}
   \comment{The letter `\' I'.}
\endsetslot

\setslot{\uctop{Icircumflex}{icircumflex}}
   \comment{The letter `\^ I'.}
\endsetslot

\setslot{\uctop{Idieresis}{idieresis}}
   \comment{The letter `\" I'.}
\endsetslot

\setslot{\uc{Eth}{eth}}
   \comment{The uppercase Icelandic letter `Eth' similar to a `D'
      with a horizontal bar through the stem.  It is unavailable
      in \plain\ \TeX.}
\endsetslot

\setslot{\uctop{Ntilde}{ntilde}}
   \comment{The letter `\~ N'.}
\endsetslot

\setslot{\uctop{Ograve}{ograve}}
   \comment{The letter `\` O'.}
\endsetslot

\setslot{\uctop{Oacute}{oacute}}
   \comment{The letter `\' O'.}
\endsetslot

\setslot{\uctop{Ocircumflex}{ocircumflex}}
   \comment{The letter `\^ O'.}
\endsetslot

\setslot{\uctop{Otilde}{otilde}}
   \comment{The letter `\~ O'.}
\endsetslot

\setslot{\uctop{Odieresis}{odieresis}}
   \comment{The letter `\" O'.}
\endsetslot

\setslot{\uc{OE}{oe}}
   \comment{The letter `\OE'.  This is a single letter, and should not be
      faked with `OE'.}
\endsetslot

\setslot{\uc{Oslash}{oslash}}
   \comment{The letter `\O'.}
\endsetslot

\setslot{\uctop{Ugrave}{ugrave}}
   \comment{The letter `\` U'.}
\endsetslot

```

```
\setslot{\uctop{Uacute}{uacute}}
   \comment{The letter `\' U'.}
\endsetslot

\setslot{\uctop{Ucircumflex}{ucircumflex}}
   \comment{The letter `\^ U'.}
\endsetslot

\setslot{\uctop{Udieresis}{udieresis}}
   \comment{The letter `\" U'.}
\endsetslot

\setslot{\uctop{Yacute}{yacute}}
   \comment{The letter `\' Y'.}
\endsetslot

\setslot{\uc{Thorn}{thorn}}
   \comment{The Icelandic capital letter Thorn, similar to a `P'
      with the bowl moved down.  It is unavailable in \plain\ \TeX.}
\endsetslot

\setslot{\uclig{Germandbls}{germandbls}}
   \comment{The ligature `SS', used to give an upper case `\ss'.
      In a monowidth font it should be two letters wide.}
\endsetslot

\setslot{\lctop{Agrave}{agrave}}
   \comment{The letter `\` a'.}
\endsetslot

\setslot{\lctop{Aacute}{aacute}}
   \comment{The letter `\' a'.}
\endsetslot

\setslot{\lctop{Acircumflex}{acircumflex}}
   \comment{The letter `\^ a'.}
\endsetslot

\setslot{\lctop{Atilde}{atilde}}
   \comment{The letter `\~ a'.}
\endsetslot

\setslot{\lctop{Adieresis}{adieresis}}
   \comment{The letter `\" a'.}
\endsetslot

\setslot{\lctop{Aring}{aring}}
   \comment{The letter `\r a'.}
\endsetslot

\setslot{\lc{AE}{ae}}
   \comment{The letter `\ae'.  This is a single letter, and should not be
      faked with `ae'.}
\endsetslot

\setslot{\lc{Ccedilla}{ccedilla}}
   \comment{The letter `\c c'.}
\endsetslot

\setslot{\lctop{Egrave}{egrave}}
   \comment{The letter `\` e'.}
```

```
\endsetslot

\setslot{\lctop{Eacute}{eacute}}
   \comment{The letter `\' e'.}
\endsetslot

\setslot{\lctop{Ecircumflex}{ecircumflex}}
   \comment{The letter `\^ e'.}
\endsetslot

\setslot{\lctop{Edieresis}{edieresis}}
   \comment{The letter `\" e'.}
\endsetslot

\setslot{\lctop{Igrave}{igrave}}
   \comment{The letter `\`\i'.}
\endsetslot

\setslot{\lctop{Iacute}{iacute}}
   \comment{The letter `\'\i'.}
\endsetslot

\setslot{\lctop{Icircumflex}{icircumflex}}
   \comment{The letter `\^\i'.}
\endsetslot

\setslot{\lctop{Idieresis}{idieresis}}
   \comment{The letter `\"\i'.}
\endsetslot

\setslot{\lc{Eth}{eth}}
   \comment{The Icelandic lowercase letter `eth' similar to
     a `$\partial$' with an oblique bar through the stem.
     It is unavailable in \plain\ \TeX.}
\endsetslot

\setslot{\lctop{Ntilde}{ntilde}}
   \comment{The letter `\~ n'.}
\endsetslot

\setslot{\lctop{Ograve}{ograve}}
   \comment{The letter `\` o'.}
\endsetslot

\setslot{\lctop{Oacute}{oacute}}
   \comment{The letter `\' o'.}
\endsetslot

\setslot{\lctop{Ocircumflex}{ocircumflex}}
   \comment{The letter `\^ o'.}
\endsetslot

\setslot{\lctop{Otilde}{otilde}}
   \comment{The letter `\~ o'.}
\endsetslot

\setslot{\lctop{Odieresis}{odieresis}}
   \comment{The letter `\" o'.}
\endsetslot

\setslot{\lc{OE}{oe}}
```

```
3393    \comment{The letter `\oe'.  This is a single letter, and should not be
3394       faked with `oe'.}
3395 \endsetslot
3396
3397 \setslot{\lc{Oslash}{oslash}}
3398    \comment{The letter `\o'.}
3399 \endsetslot
3400
3401 \setslot{\lctop{Ugrave}{ugrave}}
3402    \comment{The letter `\` u'.}
3403 \endsetslot
3404
3405 \setslot{\lctop{Uacute}{uacute}}
3406    \comment{The letter `\' u'.}
3407 \endsetslot
3408
3409 \setslot{\lctop{Ucircumflex}{ucircumflex}}
3410    \comment{The letter `\^ u'.}
3411 \endsetslot
3412
3413 \setslot{\lctop{Udieresis}{udieresis}}
3414    \comment{The letter `\" u'.}
3415 \endsetslot
3416
3417 \setslot{\lctop{Yacute}{yacute}}
3418    \comment{The letter `\' y'.}
3419 \endsetslot
3420
3421 \setslot{\lc{Thorn}{thorn}}
3422    \comment{The Icelandic lowercase letter `thorn', similar to a `p'
3423       with an ascender rising from the stem.  It is unavailable
3424       in \plain\ \TeX.}
3425 \endsetslot
3426
3427 \setslot{\lc{Germandbls}{germandbls}}
3428    \comment{The letter `\ss'.}
3429 \endsetslot
3430
3431 \endencoding
```

Change History

v1.7

`clm-t1-drv.tex`: `\fontinstcc` and `\normalcc` required to ensure `@` treated correctly. 8

Change order of substitutions for `scsl`. . 2

Substitute bold extended for bold in case later kernels break nfssext-cfr patch. . . 2

Index

Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

Symbols

\" 2324, 2477, 2994, 3127, 3180, 3209, 3225, 3255, 3280, 3314, 3343, 3359, 3389, 3414

\# 2482

\$ 2486

\% 2415, 2490

\& 2494

\' 2312, 2336, 2906, 2930, 2942, 2958, 2966, 2998, 3039, 3063, 3075, 3091, 3099, 3131, 3168, 3201, 3217, 3243, 3272, 3284, 3302, 3335, 3351, 3377, 3406, 3418
\, 2375, 2379, 2474, 2499, 2744
\. .. 2348, 3006, 3019, 3139
\= 2344, 2423, 2428
\␣ 2366, 2371, 2389, 2394, 2428, 2477, 2950, 3083, 3231, 3289, 3365, 3424
\^ 2316, 3172, 3205, 3221, 3247, 3276, 3306, 3339, 3355, 3381, 3410
\` 2308, 3164, 3197, 3213, 3239, 3268, 3298, 3331, 3347, 3373, 3402
\~ 2320, 3176, 3235, 3251, 3310, 3369, 3385

A

\adddriver 2068, 2069
\AE 3188
\ae 3322

B

\bye 1738, 2065, 2072

C

\c 2352, 2974, 2982, 3107, 3115, 3193, 3327
\char 2477
clm-map.tex (map) 2066
clm-t1-drv.tex (drv.) 1
clm-ts1-drv.tex (drv.) . 1740
\comment 2183, 2301, 2308, 2312, 2316, 2320, 2324, 2328, 2332, 2336, 2340, 2344, 2348, 2352, 2356, 2360, 2365, 2370, 2375, 2379, 2383, 2388, 2393, 2399, 2404, 2409, 2415, 2422, 2427, 2438, 2443, 2448, 2453, 2458, 2465, 2470, 2474, 2482, 2486, 2490, 2494, 2499, 2503, 2507, 2511, 2515, 2520, 2526, 2530, 2534, 2538, 2543, 2547, 2551, 2555, 2559, 2563, 2567, 2571, 2575, 2579, 2583, 2588, 2592, 2597, 2602, 2606, 2610, 2614, 2618, 2622, 2626, 2630, 2634, 2638, 2644, 2650, 2654, 2658, 2662, 2666, 2670, 2674, 2678, 2682, 2686, 2690, 2694, 2698, 2702, 2706, 2710, 2714, 2718, 2722, 2726, 2730, 2736, 2744, 2748, 2752, 2758, 2764, 2768, 2779, 2785, 2789, 2795, 2801, 2805, 2809, 2813, 2817, 2821, 2825, 2829, 2833, 2839, 2845, 2849, 2853, 2857, 2861, 2865, 2869, 2873, 2877, 2883, 2887, 2893, 2898, 2902, 2906, 2910, 2914, 2918, 2922, 2926, 2930, 2934, 2938, 2942, 2946, 2950, 2954, 2958, 2962, 2966, 2970, 2974, 2978, 2982, 2986, 2990, 2994, 2998, 3002, 3006, 3012, 3019, 3023, 3027, 3031, 3035, 3039, 3043, 3047, 3051, 3055, 3059, 3063, 3067, 3071, 3075, 3079, 3083, 3087, 3091, 3095, 3099, 3103, 3107, 3111, 3115, 3119, 3123, 3127, 3131, 3135, 3139, 3145, 3152, 3156, 3160, 3164, 3168, 3172, 3176, 3180, 3184, 3188, 3193, 3197, 3201, 3205, 3209, 3213, 3217, 3221, 3225, 3229, 3235, 3239, 3243, 3247, 3251, 3255, 3259, 3264, 3268, 3272, 3276, 3280, 3284, 3288, 3293, 3298, 3302, 3306, 3310, 3314, 3318, 3322, 3327, 3331, 3335, 3339, 3343, 3347, 3351, 3355, 3359, 3363, 3369, 3373, 3377, 3381, 3385, 3389, 3393, 3398, 3402, 3406, 3410, 3414, 3418, 3422, 3428

D

\depth 2256, 2270
\digit 2160, 2164, 2168, 2189, 2537, 2542, 2546, 2550, 2554, 2558, 2562, 2566, 2570, 2574
\dj 3023
\donedrivers 2071
dotdigits.etx (etx) ... 2073
dotoldstyle.etx (etx) . 2158
dotprop.etx (etx) 2162
dottaboldstyle.etx (etx) 2166
drivers:
clm-t1-drv.tex 1
clm-ts1-drv.tex ... 1740

E

\Else 2181, 2193, 2198, 2211, 2217, 2219, 2227, 2235, 2241, 2243, 2249, 2255, 2257, 2263, 2269, 2271, 2277, 2303, 2431, 2641, 2755, 2771, 2792, 2836, 3009, 3142
\encoding 2074, 2159, 2163, 2167, 2171
\endencoding 2157, 2161, 2165, 2169, 3431
\endinstallfonts 1736, 2063
\endrecordtransforms 1737, 2064
\endsetslot .. 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2156,

2309, 2313, 2317, 2321, 2325, 2329, 2333, 2337, 2341, 2345, 2349, 2353, 2357, 2362, 2367, 2372, 2376, 2380, 2385, 2390, 2395, 2401, 2406, 2412, 2419, 2424, 2429, 2440, 2445, 2450, 2455, 2460, 2466, 2471, 2479, 2483, 2487, 2491, 2495, 2500, 2504, 2508, 2512, 2516, 2521, 2527, 2531, 2535, 2540, 2544, 2548, 2552, 2556, 2560, 2564, 2568, 2572, 2576, 2580, 2584, 2589, 2593, 2598, 2603, 2607, 2611, 2615, 2619, 2623, 2627, 2631, 2635, 2639, 2645, 2651, 2655, 2659, 2663, 2667, 2671, 2675, 2679, 2683, 2687, 2691, 2695, 2699, 2703, 2707, 2711, 2715, 2719, 2723, 2727, 2733, 2740, 2745, 2749, 2753, 2759, 2765, 2769, 2780, 2786, 2790, 2796, 2802, 2806, 2810, 2814, 2818, 2822, 2826, 2830, 2834, 2840, 2846, 2850, 2854, 2858, 2862, 2866, 2870, 2874, 2880, 2884, 2890, 2895, 2899, 2903, 2907, 2911, 2915, 2919, 2923, 2927, 2931, 2935, 2939, 2943, 2947, 2951, 2955, 2959, 2963, 2967, 2971, 2975, 2979, 2983, 2987, 2991, 2995, 2999, 3003, 3007, 3014, 3020, 3024, 3028, 3032, 3036, 3040, 3044, 3048, 3052, 3056, 3060, 3064, 3068, 3072, 3076, 3080, 3084, 3088, 3092, 3096, 3100, 3104, 3108, 3112, 3116, 3120, 3124, 3128, 3132, 3136, 3140, 3147, 3153, 3157, 3161, 3165, 3169, 3173, 3177, 3181, 3185, 3190, 3194, 3198, 3202, 3206, 3210, 3214, 3218, 3222, 3226, 3232, 3236, 3240, 3244, 3248, 3252, 3256, 3261, 3265, 3269, 3273, 3277, 3281, 3285, 3290, 3295, 3299, 3303, 3307, 3311, 3315, 3319, 3324, 3328, 3332, 3336, 3340, 3344, 3348, 3352, 3356, 3360, 3366, 3370, 3374, 3378, 3382, 3386, 3390, 3395, 3399, 3403, 3407, 3411, 3415, 3419, 3425, 3429

F

\Fi 2186, 2187, 2200, 2201, 2203, 2213, 2221, 2231, 2237, 2245, 2251, 2259, 2265, 2273, 2279, 2305, 2437, 2462, 2647, 2761, 2778, 2782, 2798, 2842, 3016, 3149
\font . 343, 362, 421, 448, 645, 664, 723, 750, 947, 966, 993, 1010, 1207, 1226, 1243, 1270
font encodings:
dotdigits.etx 2073
dotoldstyle.etx .. 2158
dotprop.etx 2162
dottaboldstyle.etx 2166
t1-clm.etx 2170
\fontinstcc 342, 361, 420, 447, 644, 663, 722, 749, 946, 965, 992, 1009, 1206, 1225, 1242, 1269
\fromafm ... 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154

G

\guillemotleft 2388
\guillemotright 2393
\guilsinglleft 2365
\guilsinglright 2370

H

\H 2328, 2954, 2986, 3087, 3119
\height 2210, 2234, 2240, 2248, 2262
\hyphenchar 343, 362, 421, 448, 645, 664, 723, 750, 947, 966, 993, 1010, 1207, 1226, 1243, 1270

I

\i 2422, 2423, 3347, 3351, 3355, 3359
\ifisglyph 2209, 2215, 2217, 2233, 2239, 2247, 2255, 2261, 2269, 2275
\ifisint 2180, 2191, 2197, 2223, 2241, 2253, 2267
\ifnumber 2181, 2198, 2300, 2431, 2434, 2641, 2755, 2771, 2774, 2792, 2836, 3009, 3142
\input ... 1, 1740, 2066, 2070
\installfamily 156, 285, 343, 362, 421, 448, 458, 587, 645, 664, 723, 750, 760, 889, 947, 966, 993, 1010, 1020, 1149, 1207, 1226, 1243, 1270, 1280, 1377, 1420, 1433, 1476, 1495, 1502, 1535, 1550, 1555, 1570, 1577, 1580, 1613, 1628, 1633, 1648, 1655, 1658, 1691, 1706, 1711, 1726, 1733, 1751, 1784, 1799, 1804, 1819,

1826, 1829, 1862, 1877, 1882, 1897, 1904, 1907, 1940, 1955, 1960, 1967, 1982, 1985, 2018, 2033, 2038, 2053, 2060

`\installfont` ... 157, 161, 165, 169, 173, 177, 181, 185, 189, 193, 197, 201, 205, 209, 213, 217, 221, 225, 229, 233, 237, 241, 245, 249, 253, 257, 261, 265, 269, 273, 277, 281, 286, 290, 294, 298, 302, 306, 310, 314, 318, 322, 326, 330, 334, 338, 345, 349, 353, 357, 364, 368, 372, 376, 380, 384, 388, 392, 396, 400, 404, 408, 412, 416, 423, 427, 431, 435, 439, 443, 450, 454, 459, 463, 467, 471, 475, 479, 483, 487, 491, 495, 499, 503, 507, 511, 515, 519, 523, 527, 531, 535, 539, 543, 547, 551, 555, 559, 563, 567, 571, 575, 579, 583, 588, 592, 596, 600, 604, 608, 612, 616, 620, 624, 628, 632, 636, 640, 647, 651, 655, 659, 666, 670, 674, 678, 682, 686, 690, 694, 698, 702, 706, 710, 714, 718, 725, 729, 733, 737, 741, 745, 752, 756, 761, 765, 769, 773, 777, 781, 785, 789, 793, 797, 801, 805, 809, 813, 817, 821, 825, 829, 833, 837, 841, 845, 849, 853, 857, 861, 865, 869, 873, 877, 881, 885, 890, 894, 898, 902, 906, 910, 914, 918, 922, 926, 930, 934, 938, 942, 949, 953, 957, 961, 968, 972, 976, 980, 984, 988, 1012, 1016, 1021, 1025, 1029, 1033, 1037, 1041, 1045, 1049, 1053, 1057, 1061, 1065, 1069, 1073, 1077, 1081, 1085, 1089, 1093, 1097, 1101, 1105, 1109, 1113, 1117, 1121, 1125, 1129, 1133, 1137, 1141, 1145, 1150, 1154, 1158, 1162, 1166, 1170, 1174, 1178, 1182, 1186, 1190, 1194, 1198, 1202, 1209, 1213, 1217, 1221, 1245, 1249, 1253, 1257, 1261, 1265, 1272, 1276, 1281, 1284, 1287, 1290, 1293, 1296, 1299, 1302, 1305, 1308, 1311, 1314, 1317, 1320, 1323, 1326, 1329, 1332, 1335, 1338, 1341, 1344, 1347, 1350, 1353, 1356, 1359, 1362, 1365, 1368, 1371, 1374, 1378, 1381, 1384, 1387, 1390, 1393, 1396, 1399, 1402, 1405, 1408, 1411, 1414, 1417, 1421, 1424, 1427, 1430, 1434, 1437, 1440, 1443, 1446, 1449, 1452, 1455, 1458, 1461, 1464, 1467, 1470, 1473, 1477, 1480, 1483, 1486, 1489, 1492, 1496, 1499

`\installfontas` 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1551, 1552, 1553, 1554, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1571, 1572, 1573, 1574, 1575, 1576, 1578, 1579, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1629, 1630, 1631, 1632, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1649, 1650, 1651, 1652, 1653, 1654, 1656, 1657, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1707, 1708, 1709, 1710, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1727, 1728, 1729, 1730, 1731, 1732, 1734, 1735, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1800, 1801,

1802, 1803, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1820, 1821, 1822, 1823, 1824, 1825, 1827, 1828, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1878, 1879, 1880, 1881, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1898, 1899, 1900, 1901, 1902, 1903, 1905, 1906, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1956, 1957, 1958, 1959, 1961, 1962, 1963, 1964, 1965, 1966, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1983, 1984, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2034, 2035, 2036, 2037, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2054, 2055, 2056, 2057, 2058, 2059, 2061, 2062

`\installfonts` 155, 1750

`\int` 2181, 2198, 2226, 2228, 2229, 2230, 2242, 2254, 2268, 2300, 2431, 2434, 2641, 2755, 2771, 2774, 2792, 2836, 3009, 3142

J

`\j` 2427, 2428

K

`\k` 2356, 2902, 2922, 3035, 3055

L

`\L` 2938

`\l` 3071

`\lc` 2175, 2307, 2311, 2315, 2319, 2323, 2327, 2331, 2335, 2339, 2343, 2347, 2351, 2355, 2421, 2426, 2435, 2436, 2747, 2751, 2757, 2763, 2767, 2773, 2775, 2776, 2777, 2784, 2788, 2794, 2800, 2804, 2808, 2812, 2816, 2820, 2824, 2828, 2832, 2838, 2844, 2848, 2852, 2856, 2860, 2864, 2868, 3022, 3034, 3054, 3066, 3070, 3082, 3106, 3114, 3321, 3326, 3362, 3392, 3397, 3421, 3427

`\lclig` 2179, 2433, 2435, 2436, 2442, 2447, 2452, 2457, 2775, 2776, 2777, 3144

`\lctop` 2177, 3030, 3038, 3042, 3046, 3050, 3058, 3062, 3074, 3078, 3086, 3090, 3094, 3098, 3102, 3110, 3118, 3122, 3126, 3130, 3134, 3138, 3297, 3301, 3305, 3309, 3313, 3317, 3330, 3334, 3338, 3342, 3346, 3350, 3354, 3358, 3368, 3372, 3376, 3380, 3384, 3388, 3401, 3405, 3409, 3413, 3417

`\ligature` ... 2398, 2435, 2436, 2469, 2498, 2519, 2524, 2525, 2587, 2596, 2601, 2743, 2775, 2776, 2777

M

`\m@ne` . 343, 362, 421, 645, 664, 723, 947, 966, 993, 1207, 1226, 1243

map files:

`clm-map.tex` 2066

`\metrics` 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 243, 247, 251, 255, 259, 263, 267, 271, 275, 279, 283, 288, 292, 296, 300, 304, 308, 312, 316, 320, 324, 328, 332, 336, 340, 347, 351, 355, 359, 366, 370, 374, 378, 382, 386, 390, 394, 398, 402, 406, 410, 414, 418, 425, 429, 433, 437, 441, 445, 452, 456, 461, 465, 469, 473, 477, 481, 485, 489, 493, 497, 501, 505, 509, 513, 517, 521, 525, 529, 533, 537, 541, 545, 549, 553, 557, 561, 565, 569, 573, 577, 581, 585, 590, 594, 598, 602, 606, 610, 614, 618, 622, 626, 630, 634, 638, 642, 649, 653, 657, 661, 668, 672, 676, 680, 684, 688, 692, 696, 700, 704, 708, 712, 716, 720, 727, 731, 735, 739, 743, 747, 754, 758, 763, 767, 771,

775, 779, 783, 787, 791, 795, 799, 803, 807, 811, 815, 819, 823, 827, 831, 835, 839, 843, 847, 851, 855, 859, 863, 867, 871, 875, 879, 883, 887, 892, 896, 900, 904, 908, 912, 916, 920, 924, 928, 932, 936, 940, 944, 951, 955, 959, 963, 970, 974, 978, 982, 986, 990, 1014, 1018, 1023, 1027, 1031, 1035, 1039, 1043, 1047, 1051, 1055, 1059, 1063, 1067, 1071, 1075, 1079, 1083, 1087, 1091, 1095, 1099, 1103, 1107, 1111, 1115, 1119, 1123, 1127, 1131, 1135, 1139, 1143, 1147, 1152, 1156, 1160, 1164, 1168, 1172, 1176, 1180, 1184, 1188, 1192, 1196, 1200, 1204, 1211, 1215, 1219, 1223, 1247, 1251, 1255, 1259, 1263, 1267, 1274, 1278

N

\needsfontinstversion 2, 1741, 2173
\neg 2254, 2268
\nextslot 2155
\NG 2950
\ng 3083
\normalcc 344, 363, 422, 449, 646, 665, 724, 751, 948, 967, 994, 1011, 1208, 1227, 1244, 1271

O

\O 3264
\o 3398
\OE 3259
\oe 3393

P

\par 2195
\partial 3364
\plain . 2366, 2371, 2389, 2394, 2950, 3083, 3231, 3289, 3365, 3424

Q

\quotedblbase 2383
\quotesinglbase 2360

R

\r 2332, 2990, 3123, 3184, 3318
\recordtransforms . . 10, 1749
\reencodefont 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154
\relax 2073, 2158, 2162, 2166, 2170
\resetstr 2067

S

\scale 2228, 2229, 2230
\setcommand . . 2160, 2164, 2168, 2175, 2176, 2177, 2178, 2179, 2182, 2184, 2188, 2189
\setfontdimen 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298
\setint 2192, 2199, 2202, 2205, 2206, 2207, 2210, 2212, 2216, 2218, 2220, 2224, 2225, 2226, 2228, 2229, 2230, 2234, 2236, 2240, 2242, 2244, 2248, 2250, 2254, 2256, 2258, 2262, 2264, 2268, 2270, 2272, 2276, 2278, 2281
\setslot 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2156, 2307, 2311, 2315, 2319, 2323, 2327, 2331, 2335, 2339, 2343, 2347, 2351, 2355, 2359, 2364, 2369, 2374, 2378, 2382, 2387, 2392, 2397, 2403, 2408, 2414, 2421, 2426, 2433, 2442, 2447, 2452, 2457, 2464, 2468, 2473, 2481, 2485, 2489, 2493, 2497, 2502, 2506, 2510, 2514, 2518, 2523, 2529, 2533, 2537, 2542, 2546, 2550, 2554, 2558, 2562, 2566, 2570, 2574, 2578, 2582, 2586, 2591, 2595, 2600, 2605, 2609, 2613, 2617, 2621, 2625, 2629, 2633, 2637, 2643, 2649, 2653, 2657, 2661, 2665, 2669, 2673, 2677, 2681, 2685, 2689, 2693, 2697, 2701, 2705, 2709, 2713, 2717, 2721, 2725, 2729, 2735, 2742, 2747, 2751, 2757, 2763, 2767, 2773, 2784, 2788, 2794, 2800, 2804, 2808, 2812, 2816, 2820, 2824, 2828, 2832, 2838, 2844, 2848, 2852,

2856, 2860, 2864, 2868, 2872, 2876, 2882, 2886, 2892, 2897, 2901, 2905, 2909, 2913, 2917, 2921, 2925, 2929, 2933, 2937, 2941, 2945, 2949, 2953, 2957, 2961, 2965, 2969, 2973, 2977, 2981, 2985, 2989, 2993, 2997, 3001, 3005, 3011, 3018, 3022, 3026, 3030, 3034, 3038, 3042, 3046, 3050, 3054, 3058, 3062, 3066, 3070, 3074, 3078, 3082, 3086, 3090, 3094, 3098, 3102, 3106, 3110, 3114, 3118, 3122, 3126, 3130, 3134, 3138, 3144, 3151, 3155, 3159, 3163, 3167, 3171, 3175, 3179, 3183, 3187, 3192, 3196, 3200, 3204, 3208, 3212, 3216, 3220, 3224, 3228, 3234, 3238, 3242, 3246, 3250, 3254, 3258, 3263, 3267, 3271, 3275, 3279, 3283, 3287, 3292, 3297, 3301, 3305, 3309, 3313, 3317, 3321, 3326, 3330, 3334, 3338, 3342, 3346, 3350, 3354, 3358, 3362, 3368, 3372, 3376, 3380, 3384, 3388, 3392, 3397, 3401, 3405, 3409, 3413, 3417, 3421, 3427

\setstr 2304

\skipslots 2431, 2641, 2755, 2771, 2792, 2836, 3009, 3142

\ss 3293, 3428

\substitutesilent 3, 4, 5, 6, 7, 8, 9, 1742, 1743, 1744, 1745, 1746, 1747, 1748

T

t1-clm.etx (etx) 2170

\TeX 2366, 2371, 2389, 2394, 2428, 2477, 2950, 3083, 3231, 3289, 3365, 3424

\textasciicircum 2730

\textasciitilde 2887

\textbackslash 2722

\textbar 2877

\textbraceleft 2873

\textbraceright 2883

\textemdash 2404

\textendash 2399

\textgreater 2597

\textless 2588

\textquotedbl 2474

\textquotedblleft 2375

\textquotedblright . . . 2379

\textquoteleft 2744

\textquoteright 2499

\textsection 3027

\textsterling 3160

\texttt 2400, 2405

\textunderscore 2736

\textvisiblespace 2465

\then 2180, 2181, 2191, 2197, 2198, 2209, 2215, 2217, 2223, 2233, 2239, 2241, 2247, 2253, 2255, 2261, 2267, 2269, 2275, 2300, 2431, 2434, 2641, 2755, 2771, 2774, 2792, 2836, 3009, 3142

\transformfont 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154

\tt 2477

U

\u 2340, 2898, 2926, 3031, 3059

\uc . . . 2176, 2609, 2613, 2617, 2621, 2625, 2629, 2633, 2637, 2643, 2649, 2653, 2657, 2661, 2665, 2669, 2673, 2677, 2681, 2685, 2689, 2693, 2697, 2701, 2705, 2709, 2713, 2901, 2921, 2933, 2937, 2949, 2973, 2981, 3187, 3192, 3228, 3258, 3263, 3287

\uclig 2182, 2183, 2188, 3011, 3292

\uctop 2178, 2897, 2905, 2909, 2913, 2917, 2925, 2929, 2941, 2945, 2953, 2957, 2961, 2965, 2969, 2977, 2985, 2989, 2993, 2997, 3001, 3005, 3018, 3163, 3167, 3171, 3175, 3179, 3183, 3196, 3200, 3204, 3208, 3212, 3216, 3220, 3224, 3234, 3238, 3242, 3246, 3250, 3254, 3267, 3271, 3275, 3279, 3283

\unsetint 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 243, 247, 251, 255, 259, 263, 267, 271, 275, 279, 283, 288, 292, 296, 300, 304, 308, 312, 316, 320, 324, 328, 332, 336, 340, 347, 351, 355, 359, 366, 370, 374, 378, 382, 386, 390, 394, 398, 402, 406, 410, 414, 418, 425, 429, 433, 437, 441, 445, 452, 456, 461, 465, 469, 473, 477, 481, 485, 489, 493, 497, 501, 505, 509, 513, 517, 521, 525, 529, 533, 537, 541, 545, 549, 553, 557, 561, 565, 569, 573, 577, 581, 585, 590, 594, 598,

602, 606, 610, 614,
618, 622, 626, 630,
634, 638, 642, 649,
653, 657, 661, 668,
672, 676, 680, 684,
688, 692, 696, 700,
704, 708, 712, 716,
720, 727, 731, 735,
739, 743, 747, 754,
758, 763, 767, 771,
775, 779, 783, 787,
791, 795, 799, 803,
807, 811, 815, 819,
823, 827, 831, 835,
839, 843, 847, 851,
855, 859, 863, 867,
871, 875, 879, 883,
887, 892, 896, 900,
904, 908, 912, 916,
920, 924, 928, 932,
936, 940, 944, 951,
955, 959, 963, 970,
974, 978, 982, 986,
990, 1014, 1018, 1023,
1027, 1031, 1035,
1039, 1043, 1047,
1051, 1055, 1059,
1063, 1067, 1071,
1075, 1079, 1083,
1087, 1091, 1095,
1099, 1103, 1107, 1111,
1115, 1119, 1123, 1127,
1131, 1135, 1139, 1143,
1147, 1152, 1156, 1160,
1164, 1168, 1172, 1176,
1180, 1184, 1188, 1192,
1196, 1200, 1204, 1211,
1215, 1219, 1223, 1247,
1251, 1255, 1259,
1263, 1267, 1274, 1278

V

`\v` 2336, 2910, 2914,
2918, 2934, 2946,
2962, 2970, 2978,
3002, 3043, 3047,
3051, 3067, 3079,
3095, 3103, 3111, 3135

W

`\width` 2216, 2218, 2276