Example for footnoterange

This example demonstrates the use of package
footnoterange, v1.1b as of 2025-01-27, references to ranges of footnotes (HMM).
The package does not use options.
`footnoterange-example.pdf` can be created by
`pdflatex footnoterange-example.tex`,
and `footnoterange-example.tex` can be created by
`tex footnoterange.dtx`.
`footnoterange.dtx` is at `https://ctan.org/pkg/footnoterange`.

For more details please see the documentation!

This[1] text bears a multiplicity of footnotes. Because the `hyperref` package is used with option `hyperfootnotes=true`, the footnotes[2–9] are hyperlinked.[10] Using `hyperfootnotes=false` or not using `hyperref` will remove the hyperlinks to the footnotes.

This text also bears a multiplicity of footnotes, but due to the use of the starred[11–18] form of the environment they are not hyperlinked.[19]

The use of the optional parameter for footnotes[101–105] is also possible, but should be used consistently.

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[1] Lorem
[2] ipsum
[3] dolor
[4] sit
[5] amet,
[6] consectetur
[7] adipisicing
[8] elit,
[9] sed
[10] do eiusmod tempor incididunt ut labore et dolore magna aliqua.
[11] Ut enim
[12] ad minim veniam,
[13] quis
[14] nostrud
[15] exercitation
[16] ullamco
[17] laboris
[18] nisi
[19] ut aliquip ex ea commodo consequat.
[101] Duis
[102] aute
[103] irure
[104] dolor
[105] in reprehenderit

When there is only one footnote[25] in the `footnoterange` environment, only one footnotemark is used and an info is written into the `log`-file.

The usage of other footnote-number-representations (e.g. $\verb|\Roman|^{\text{XXVI–XXX}}$, $\verb|\roman|^{\text{xxxi–xxxv}}$, $\verb|\Alph|^{\text{AJ–AN}}$, $\verb|\alph|^{\text{ao–as}}$, $\verb|\fnsymbol|^{\text{**********–¶¶¶¶¶¶¶¶¶¶}}$) is also possible, but two things must be taken into account:

1. By default the number of footnote references is restricted (for example with `\Alph` only references A to Z are possible), which needs to be fixed. In this example the `alphalph` package is used for this purpose.

2. References to footnote-symbol-ranges (`\fnsymbol`) might not be very clear. For example, if the symbols ∗†‡§¶∗∗†† are used, †–†† means second to seventh footnote.

   But if ∗†‡§¶‖∗∗†† are used, †–†† means second to eighth footnote.

   And if ∗†‡∗∗††‡‡ are used, †–†† means second to fifth footnote.

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[25]a single footnote
XXVINam arcu libero,
XXVIInonummy eget,
XXVIIIconsectetuer id,
XXIXvulputate a,
XXXmagna.
xxxiin voluptate
xxxiivelit
xxxiiiesse
xxxivcillum
xxxvdolore
AJeu fugiat
AKnulla
ALpariatur.
AMExcepteur
ANsint
aooccaecat
apcupidatat
aqnon proident,
arsunt
asin culpa
**********qui officia
††††††††††deserunt
‡‡‡‡‡‡‡‡‡‡mollit
§§§§§§§§§§anim
¶¶¶¶¶¶¶¶¶¶id est laborum.

The `Lorem ipsum` text for the footnotes was taken from `https://www.lipsum.com/`, where as original source sections 1.10.32 and 1.10.33 of "de Finibus Bonorum et Malorum" by Cicero, written in 45 BCE, is given.