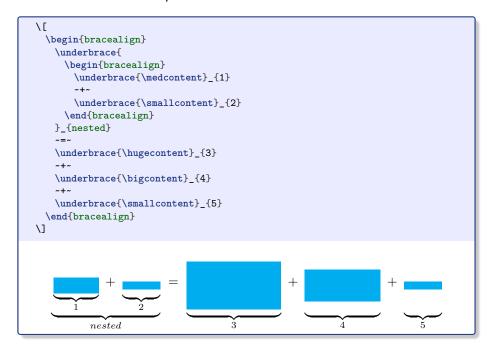
Test of the bracealign package compatibility with the mathtools package

Julien Labbé

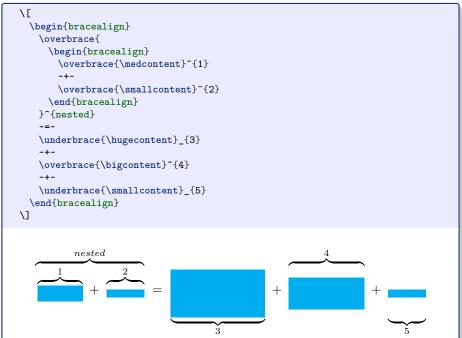
April 8, 2025

1 \underbrace / \overbrace

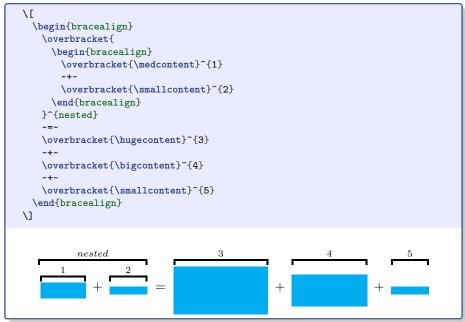


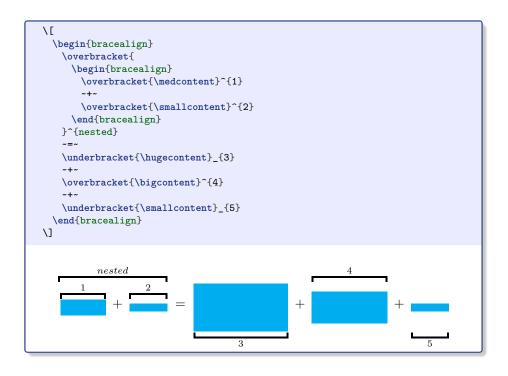
```
\[
\begin{bracealign}
\overbrace{
\begin{bracealign}
\overbrace{\medcontent}^{1}

-+-
\overbrace{\smallcontent}^{2}
\end{bracealign}
\interprecepton{
\congression \text{content}^{2}
\congres
```



\underbracket / \overbracket





2.1 Check of commands definition

```
Before \textsf{bracealign}:\newline
   `\expandafter\meaning\csname underbrace\endcsname"
 \par\bigskip
 \begin{bracealign}
   Inside \textsf{bracealign}:\newline
    `\expandafter\meaning\csname underbrace\endcsname"
 \end{bracealign}
 \par\bigskip
 Before \textsf{bracealign}:\newline
  ``\expandafter\meaning\csname underbrace\endcsname"
Before bracealign:
         "macro:#1->\mathop {\vtop {\m@th \ialign {##\crcr}
       \hat{\pm} \hfil \displaystyle {#1}\hfil \crcr \noalign {\kern .7\font-
          dimen 5\textfont 2\nointerlineskip }\upbracefill \crcr
          \noalign {\ker .5 \setminus 5 \setminus 5 \setminus 5 \}} \leq "
Inside bracealign:
               "\long macro:#1->\use:c {___bracealign_un-
               derbrace_std_cmd:n}{\vphantom {\tl_use:c
           {l__bracealign_underbrace_strutcontent_tl}}#1}"
Before bracealign:
         "macro:#1->\mathop {\vtop {\m@th \ialign {##\crcr}
        \left( \frac{\#1}{ } \right) 
          dimen 5\textfont 2\nointerlineskip }\upbracefill \crcr
          \noalign {\ker .5 \setminus 5 \setminus 5 \setminus 2}}\limits "
```

```
Before \textsf{bracealign}:\newline
  ``\expandafter\meaning\csname underbracket\endcsname"
  \par\bigskip
  \begin{bracealign}
   Inside \textsf{bracealign}:\newline
    ``\expandafter\meaning\csname underbracket\endcsname"
  \end{bracealign}
  \par\bigskip
 Before \textsf{bracealign}:\newline
  ``\expandafter\meaning\csname underbracket\endcsname"
Before bracealign:
              \label{lem:macro:-} $$ ``macro:->\@ifnextchar [{\MT\_underbracket\_I:w} ] $$
        }{\MT_underbracket_I:w [\l_MT_bracketheight_fdim ]}"
Inside bracealign:
                "\long macro:#1->\use:c {___bracealign_un-
               derbracket\_std\_cmd:n\} \{ \vphantom \ \{ \tl\_use:c
           {l__bracealign_underbracket_strutcontent_tl}}#1}"
Before bracealign:
              \label{lem:macro:-} $$\operatorname{macro:->}\@ifnextchar\ [{\MT\_underbracket\_I:w}$$
        }{\MT_underbracket_I:w [\l_MT_bracketheight_fdim ]}"
```