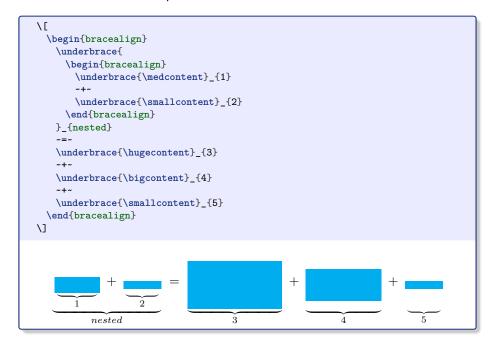
Test of the bracealign package compatibility with the unicode-math package $(X_{\overline{\mathbb{H}}} X)$

Julien Labbé April 8, 2025

1 \underbrace / \overbrace



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

-+-
\overbrace{\smallcontent}^{2}
\end{bracealign}
}^{\nested}

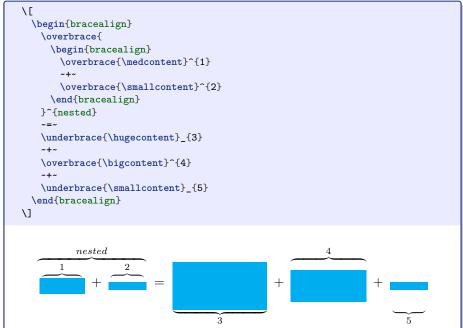
-=-
\overbrace{\hugecontent}^{3}

-+-
\overbrace{\bigcontent}^{4}

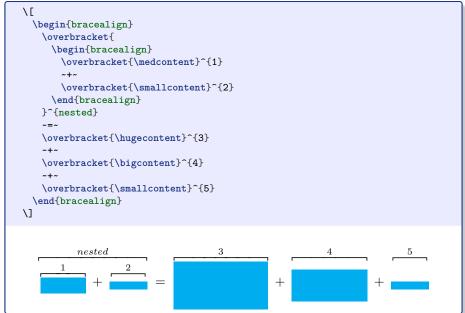
-+-
\overbrace{\smallcontent}^{5}
\end{bracealign}
\]

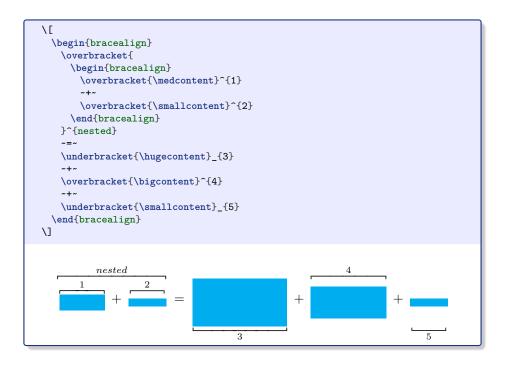
\[
\text{nested} \text{3}

-+-
\text{voverbrace}{\smallcontent}^{5}
\end{bracealign}
\]
```

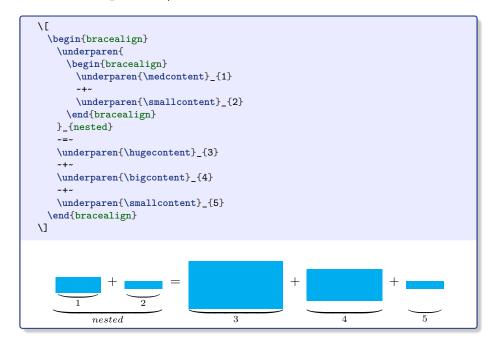


\underbracket / \overbracket





\underparen / \overbracket



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

-+-
\overparen{\smallcontent}^{2}
\end{bracealign}
\}^{\text{nested}}

-=-
\overparen{\hugecontent}^{3}

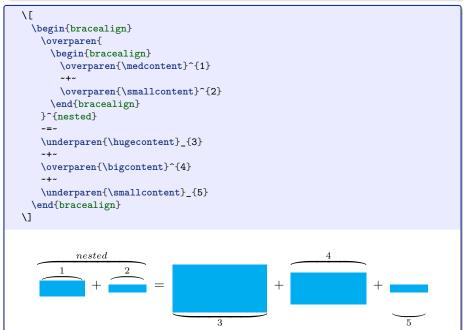
-+-
\overparen{\bigcontent}^{4}

-+-
\overparen{\smallcontent}^{5}
\end{bracealign}
\]

\[
\text{nested} \text{3} \\

-+-
\text{4}

-+-
\overparen{\smallcontent}^{5}}
\end{bracealign}
\]
```



3.1 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:
           "\protected macro:#1->\mathop {\Umathaccent bot-
        tom 7\symoperators "023DF\scan stop: {{}#1}}\limits "
Inside bracealign:
                         "\log \text{macro:} #1->\\text{use:c}
           {$\_\_bracealign\_underbrace\_std\_cmd:n}{\\\v{phantom}}
      {\tl_use:c {l_bracealign_underbrace_strutcontent_tl}}#1}"
Before bracealign:
           "\protected macro:#1->\mathop {\Umathaccent bot-
        tom 7\symoperators "023DF\scan_stop: \{\{\}\#1\}\}\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:
          "\protected macro:#1->\mathop {\Umathaccent bot-
        tom 7\symoperators "023B5\scan_stop: \{\{\}\#1\}\}\limits "
Inside bracealign:
                         "\log \text{macro:} \#1->\text{use:c}
          {___bracealign_underbracket_std_cmd:n}{\vphantom
     {\tl_use:c {l_bracealign_underbracket_strutcontent_tl}}#1}"
Before bracealign:
          "\protected macro:#1->\mathop {\Umathaccent bot-
        tom 7\symoperators "023B5\scan_stop: \{\{\}\#1\}\}\limits "
```

```
Before \textsf{bracealign}:\newline
  ``\expandafter\meaning\csname underparen\endcsname"
  \par\bigskip
  \begin{bracealign}
   Inside \textsf{bracealign}:\newline
    `\expandafter\meaning\csname underparen\endcsname"
  \end{bracealign}
  \par\bigskip
 Before \textsf{bracealign}:\newline
  ``\expandafter\meaning\csname underparen\endcsname"
Before bracealign:
           "\protected macro:#1->\mathop \{\Umathaccent\ bot-
         tom 7\symoperators "023DD\scan_stop: \{\{\}\#1\}\}\limits "
Inside bracealign:
                           "\long macro:#1->\use:c
             \{ \underline{\hspace{0.5cm}} brace a lign\_underparen\_std\_cmd:n \} \{ \vphantom \} \} 
      \label{localization} $$ \{ \tilde{l}\_bracealign\_underparen\_strutcontent\_tl \} \#1 \}"$
Before bracealign:
           "\protected macro:#1->\mathop {\Umathaccent bot-
         tom 7\symoperators "023DD\scan_stop: \{\{\}\#1\}\}\limits "
```