The package `semtex` is a small package that adds a collection of simple macros for parentheses and bullets. It exists for one purpose only: To be loaded by documents which were originally typeset using the package Seman\TeX, but which have been stripped of Seman\TeX markup using the package `stripsemantex`. Therefore, unless your document is one of those, simply don’t use this package.

And even if your document is one of those, there is a good chance you will not have to load it after all. In most cases, you will be able to replace the macros it provides by macros from other packages.

**Bullet commands**

The package provides the commands \texttt{\SemantexBullet} and \texttt{\SemantexDoubleBullet}. These commands print bullets which are smaller (and prettier, in my opinion) than the standard \texttt{\bullet} command from L\TeX:

\[ H^\bullet, \quad H^{\bullet\bullet} \] (compare to $H^\bullet$)

You can recreate them yourself as follows, rendering the package `semtex` unnecessary for this purpose:

\begin{verbatim}
\newcommand{\SemantexBullet}{\raisebox{-0.25ex}{\scalebox{1.2}{$\cdot$}}}
\newcommand{\SemantexDoubleBullet}{\SemantexBullet\SemantexBullet}
\end{verbatim}

**Replacements for $\left$ and $\right$**

The package provides the commands \texttt{\SemantexLeft} and \texttt{\SemantexRight} These work just like \texttt{$\left\ldots\right$}, but fix some spacing issues around these:

\begin{verbatim}
| \SemantexLeft(
|  frac{1}{2}
| \SemantexRight)
\end{verbatim}

They are completely equivalent to \texttt{\mleft} and \texttt{\mright} from the package `mleftright`, so it is safe to just load that package and replace the above commands by \texttt{\mleft\ldots\mright} instead. Alternatively, you can recreate them yourself by

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Commands for scaled delimiters

First and foremost, the package provides the command
\texttt{\SemantexParentheses{⟨normal|auto|\*|other⟩}{⟨left parenthesis⟩}{⟨right parenthesis⟩}{⟨content⟩}}\texttt{!}

This one writes \texttt{(⟨content⟩)} enclosed in the pair of parentheses and with the size given by the first argument. Here, \texttt{normal} means normal size parentheses, and \texttt{auto} and \texttt{*} mean auto-scaled parentheses using \texttt{\SemantexLeft...\SemantexRight}. If another value is received, that value is used for the parenthesis size, so the intended values are \texttt{\Big}, \texttt{\Bigg}:

$$\SemantexParentheses{\normal}{(}{)\frac{a}{b}}$$,

$$\SemantexParentheses{\auto}{[}{]\frac{a}{b}}$$,

$$\SemantexParentheses{\big}{\langle}{\rangle}\frac{a}{b}$$,

$$\SemantexParentheses{\Bigg}{\{}{\}}\frac{a}{b}$$,

The important property of this command is that inside the \texttt{⟨content⟩}, you can access the delimiter size at any point using the command \texttt{\SemantexDelimiterSize}:

$$\SemantexParentheses{\Bigg}{\{}{\}}\frac{a}{b}\SemantexDelimiterSize|\SemantexNoParentheses{\frac{u}{v}}$$

Secondly, the package provides the command
\texttt{\SemantexNoParentheses{⟨content⟩}}

This command prints the content with no parentheses, but importantly, it also resets the command \texttt{\SemantexDelimiterSize} to \{\}, i.e. blank. This makes the following work:

$$\SemantexParentheses{\Bigg}{\{}{\}}\frac{a}{b}\SemantexDelimiterSize|\SemantexNoParentheses{\frac{a}{b}}$$