0.0

	This file is a compilation of various uses of the listing boxes generated with \ModifiedNe
	and \ModifiedNewTCBInputListing. In this way, robustness checks are performed to
	ensure they function correctly—as bug-free as possible.
	Text.
1	Hello
(a)	\arabic{code}: 1
(b)	\eqboxwidth{\langle}
⟨tag	<u>></u>
codetitlewidth	n: Opt
codeupperwidth	n: 393.60461pt
codelowerwidth	h: Opt
(c)	\llistings_autowidth_\(component\)_dim
<pre><component< pre=""></component<></pre>	\geq
title:	$0.0 \mathrm{pt}$
upper:	$0.0\mathrm{pt}$
lower:	$0.0 \mathrm{pt}$
(d)	$\verb \glistings_autowidth@core_measured_text_width_dim: 0.0pt $
(e)	$\verb \glistings_autowidth@core_measured_width_dim: 0.0pt $
(f)	$\verb \glistings_autowidth@core_max_tcb_text_width_dim: 0.0pt $
(g)	\glistings_autowidth@core_max_tcb_width_dim: 416.83289pt

CHAPTER

ModifiedNewTCBListing

1.1 One Autowidth Option Selected

- (a) autowidth = title
 - (i) \l__listings_autowidth_title_dim <= \g__listings_autowidth@core_max_tcb_width_dim
 This box should be of width \l__listings_autowidth_title_dim

smol.

Long short text

(ii) \l__listings_autowidth_title_dim > \g__listings_autowidth@core_max_tcb_width_dim

This title should break and be of width \g__listings_autowidth@core_max_tcb_width_dim

Long short text

(b) autowidth = upper

Julia.

\xdef\mywidth{\the\linewidth}\mywidth

\mywidth = 352.6546pt

(i)

This should have breaklines disabled.

1



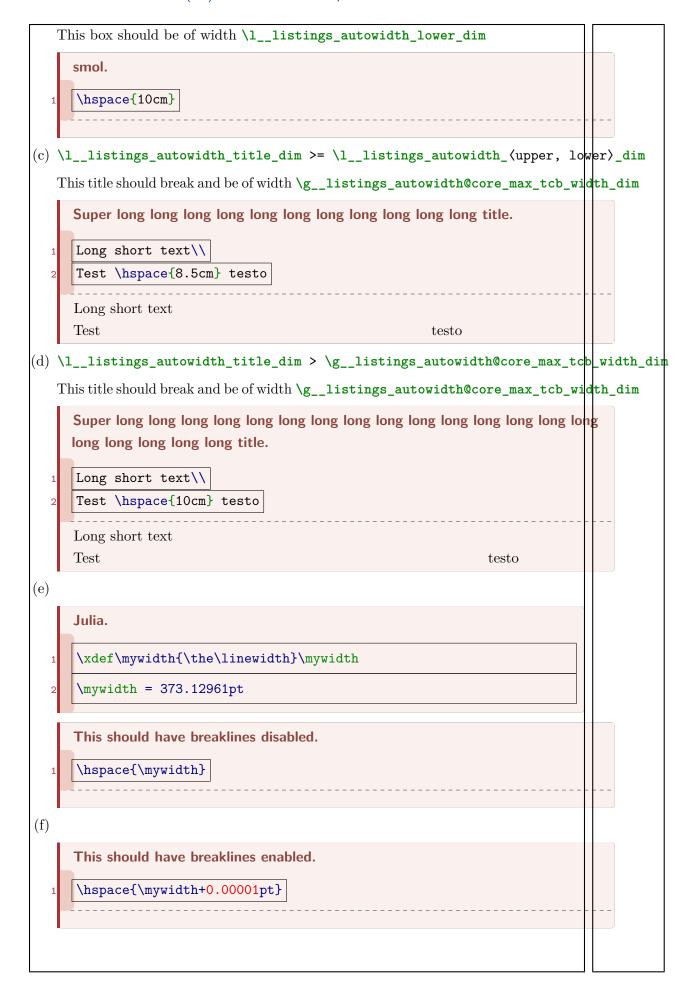
(ii) This should have breaklines enabled. (c) autowidth = lower (i) \l__listings_autowidth_lower_dim >= \eqboxwidth{codeupperwidth\arabic{code}} The following box should have width equal to the linewidth. T_EX. Hello\\ hewwo \hspace{10cm} heh Hello heh hewwo (ii) \l__listings_autowidth_lower_dim >= \eqboxwidth{codeupperwidth\arabic{code}} The following box should have width equal to the width of the \tcblower Hello\\ hewwo \hspace{5cm} heh Hello heh hewwo (iii) \l__listings_autowidth_lower_dim < \eqboxwidth{codeupperwidth\arabic{code}} The following box should have width equal to that of the \tcblower. T_EX. Hello\\ hewwo\\ heh Hello hewwo heh (iv) The following box should compile TEX (listing and text). \centering 1.2 Two Autowidth Options Selected

- (a) autowidth = title + upper
 - (i) \l__listings_autowidth_title_dim <= \g__listings_autowidth@core_max_tcb_width_dim
 This box should be of width \l__listings_autowidth_title_dim

```
smol.
         Long short text
   (ii) \l__listings_autowidth_title_dim > \g__listings_autowidth@core_max tcb_width_dim
      This title should break and be of width \g__listings_autowidth@core_max_tcb_width_dim
         long long long long long title.
         Long short text
  (iii) i.
            Julia.
             \xdef\mywidth{\the\linewidth}\mywidth
             \mbox{mywidth} = 332.17812pt
       ii.
            This should have one line.
            This should also have breaklines disabled (But the title should break)
       iii.
            This should have breaklines enabled.
            This should have one broken line (some extra text) (But the title should
            break).
(b) autowidth = title + lower
   (i) \l__listings_autowidth_title_dim <= \g__listings_autowidth@core_mak_tcb_width_dim
      This box should be of width \l_listings_autowidth_title_dim
         smol.
         Long short text
   (ii) \l__listings_autowidth_title_dim > \g__listings_autowidth@core_max tcb_width_dim
       This title should break and be of width \g__listings_autowidth@core_max_tcb_width_dim
```

```
long long long long long title.
         Long short text
  (iii) \l__listings_autowidth_lower_dim >= \eqboxwidth{codeupperwidth\arabic{code}}}
      The following box should have width equal to the linewidth.
         T<sub>E</sub>X.
         Hello\\ hewwo \hspace{10cm} heh
         Hello
         hewwo
                                                                  heh
  (iv) \l__listings_autowidth_title_dim >= \l__listings_autowidth_lower_dim
                                          >= \eqboxwidth{codeupperwidth\arabic{code}}
      The following box should have width equal to the width of the title
         Long long long long long long long title.
         Hello\\ hewwo \hspace{5cm} heh
        Hello
         hewwo
                                        heh
   (v) \l__listings_autowidth_lower_dim < \eqboxwidth{codeupperwidth\arabic{code}}
      The following box should have width equal to that of the \tcblower.
         T<sub>E</sub>X.
         Hello\\ hewwo\\ heh
         Hello
         hewwo
         heh
(c) autowidth = upper + lower
         Julia.
         \xdef\mywidth{\the\linewidth}\mywidth
         \mbox{mywidth} = 352.6546pt
   (i)
         This should have breaklines disabled.
         \hspace{\mywidth}
```

(ii) This should have breaklines enabled. \hspace{\mywidth+0.00001pt} (iii) \l__listings_autowidth_lower_dim >= \l__listings_autowidth_upper_dim The following box should have width equal to the linewidth. T_EX. Hello\\ hewwo \hspace{10cm} heh Hello hewwo heh (iv) \l__listings_autowidth_lower_dim >= \l__listings_autowidth_upper_dim The following box should have width equal to the width of the \tcblower Hello\\ hewwo \hspace{5cm} heh Hello hewwo heh (v) \l__listings_autowidth_lower_dim < \l__listings_autowidth_upper_dim The following box should have width equal to that of the width of the upper T_EX. Hello\\ hewwo\\ heh Hello hewwo heh 1.3 (All) Three Autowidth Options Selected (a) \l__listings_autowidth_upper_dim >= \l__listings_autowidth_\langle title, lower\langle_dim This box should be of width \l_listings_autowidth_upper_dim smol. Long short text Long short text



```
Text.
                test
           (a) \arabic{code}: 36
           (b) \eqboxwidth{⟨tag⟩}
          \(\tag\)
codetitlewidth: Opt
codeupperwidth: 22.99493pt ____
codelowerwidth: Opt
           (c) \l__listings_autowidth_\(component\)_dim
   ⟨component⟩
                0.0pt
      title:
                0.0pt
      upper:
      lower:
                0.0pt
           (d) \g__listings_autowidth@core_measured_text_width_dim: 0.0pt
           (e) \g__listings_autowidth@core_measured_width_dim: 23.22827pt
           (f) \g__listings_autowidth@core_max_tcb_text_width_dim: 393.60461pt
           (g) \g__listings_autowidth@core_max_tcb_width_dim: 416.83289pt
```

CHAPTER

ModifiedNewTCBInputListing

2.1 One Autowidth Option Selected

- (a) autowidth = title
 - (i) \l__listings_autowidth_title_dim <= \g__listings_autowidth@core_max_tcb_width_dim
 This box should be of width \l__listings_autowidth_title_dim

smol.

Long short text

(ii) \l__listings_autowidth_title_dim > \g__listings_autowidth@core_max_tcb_width_dim

This title should break and be of width \g__listings_autowidth@core_max_tcb_width_dim

Long short text

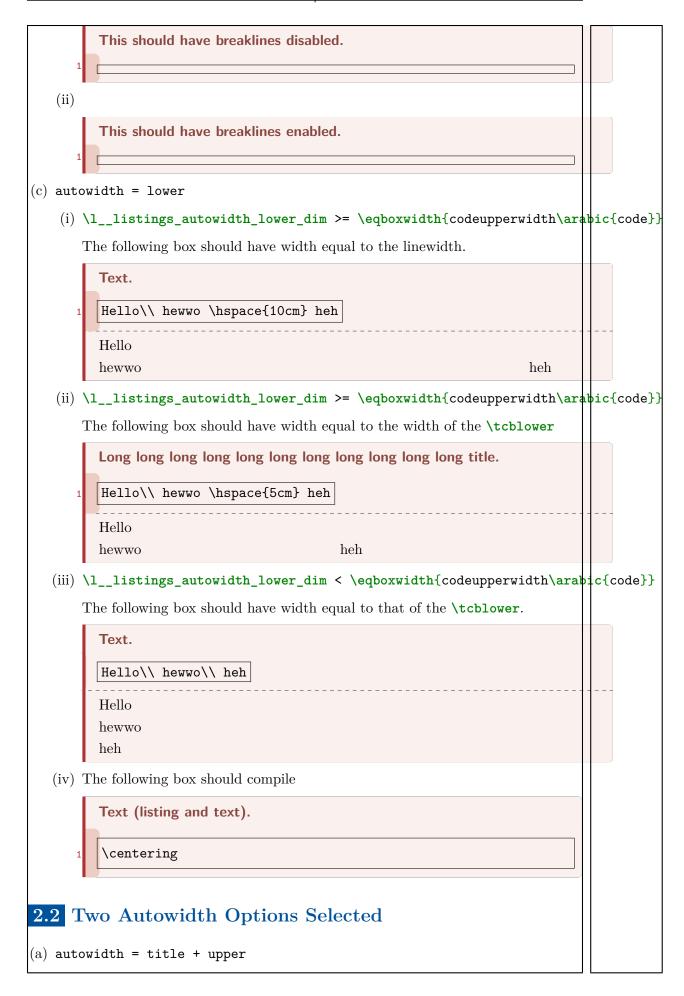
(b) autowidth = upper

Text.

\xdef\mywidth{\the\linewidth}\mywidth

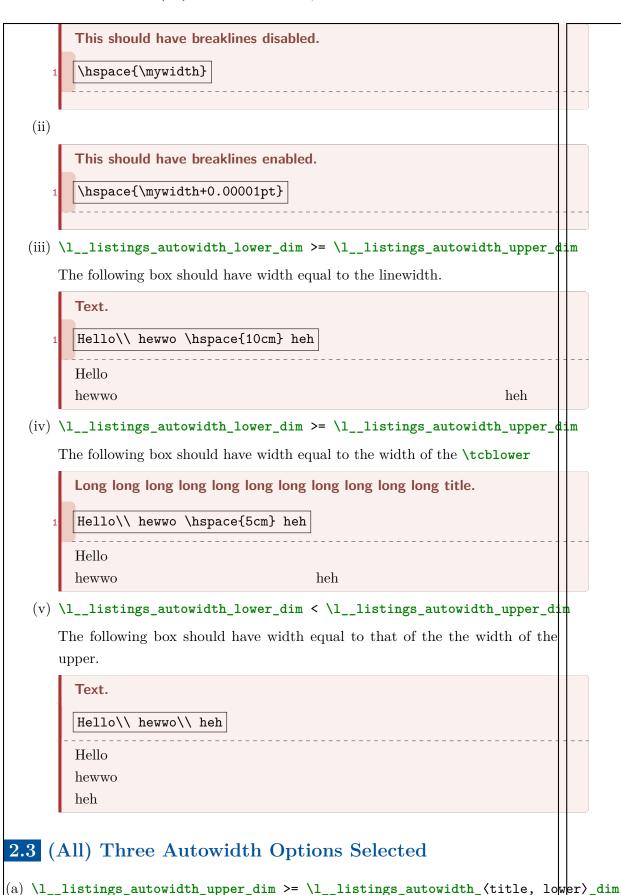
\mywidth = 352.6546pt

(i)

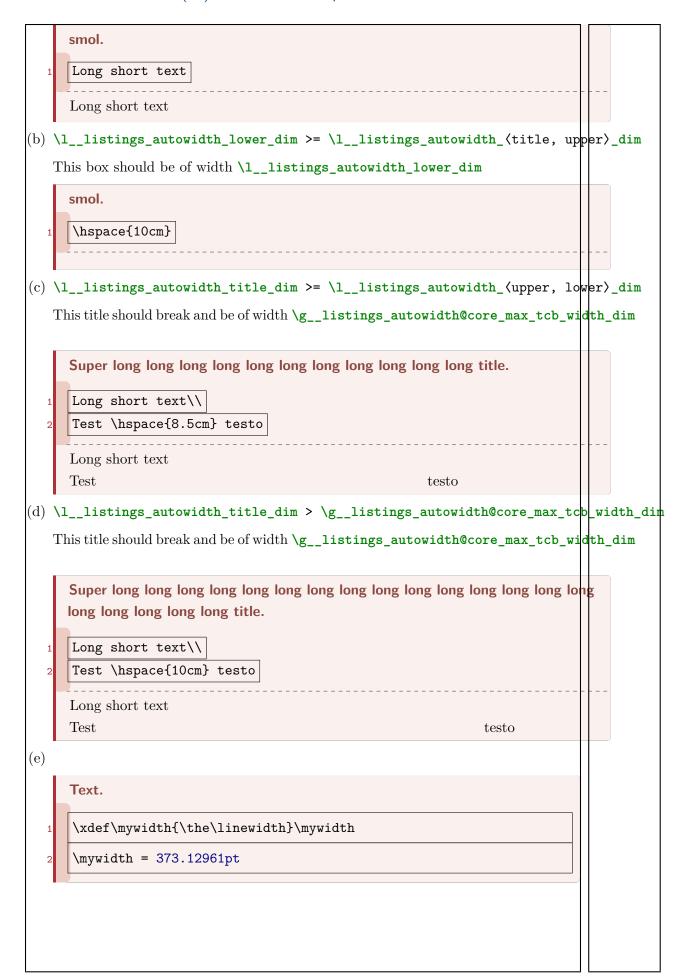


```
(i) \l__listings_autowidth_title_dim <= \g__listings_autowidth@core_max_tcb_width_dim
      This box should be of width \l__listings_autowidth_title_dim
         smol.
         Long short text
   (ii) \l__listings_autowidth_title_dim > \g__listings_autowidth@core_max|tcb_width_dim
      This title should break and be of width \g__listings_autowidth@core_max_tcb_width_dim
         long long long long long title.
         Long short text
  (iii) i.
            Text.
             \xdef\mywidth{\the\linewidth}\mywidth
             \mbox{mywidth} = 332.17812pt
       ii.
            This should have one line.
            This should also have breaklines disabled (But the title should break)
       iii.
            This should have breaklines enabled.
            This should have one broken line (some extra text) (But the title should
            break).
(b) autowidth = title + lower
   (i) \l__listings_autowidth_title_dim <= \g__listings_autowidth@core_max_tcb_width_dim
      This box should be of width \l_listings_autowidth_title_dim
         smol.
         Long short text
```

```
(ii) \l__listings_autowidth_title_dim > \g__listings_autowidth@core_max_tcb_width_dim
      This title should break and be of width \g__listings_autowidth@core_max_tcb width_dim
        long long long long long title.
         Long short text
  (iii) \l__listings_autowidth_lower_dim >= \eqboxwidth{codeupperwidth\arabic{code}}
      The following box should have width equal to the linewidth.
        Text.
        Hello\\ hewwo \hspace{10cm} heh
        Hello
        hewwo
                                                                 heh
  (iv) \l__listings_autowidth_title_dim >= \l__listings_autowidth_lower_dim
                                         >= \eqboxwidth{codeupperwidth\arabic{code}}
      The following box should have width equal to the width of the title
        Long long long long long long long long title.
         Hello\\ hewwo \hspace{5cm} heh
        Hello
        hewwo
                                        heh
   (v) \l__listings_autowidth_lower_dim < \eqboxwidth{codeupperwidth\arabic{code}}
      The following box should have width equal to that of the \tcblower.
         Text.
         Hello\\ hewwo\\ heh
        Hello
        hewwo
        heh
(c) autowidth = upper + lower
        Text.
         \xdef\mywidth{\the\linewidth}\mywidth
         \mbox{mywidth} = 352.6546pt
   (i)
```



This box should be of width \l_listings_autowidth_upper_dim



This should have breaklines disabled.	
\hspace{\mywidth}	
(f)	
This should have breaklines enabled.	
\hspace{\mywidth+0.00001pt}	