Last successful compile: 2025-10-02 00:28:54Z

This file is a compilation of various uses of the listing boxes generated with **\ModifiedNewTCBListing** and **\ModifiedNewTCBInputListing**. In this way, robustness checks are performed to ensure they function correctly—as bug-free as possible.

Text.

```
1   Hello
```

ModifiedNewTCBListing

1.1 One Autowidth Option Selected

(a) `autowidth = title`

    (i) `\l__Prassble_listings_autowidth_title_dim <= \linewidthoutside`

       This box should be of width `\l__Prassble_listings_autowidth_title_dim`

```
smol.

1   Long
    ↪   short
    ↪   text
```

    (ii) `\l__Prassble_listings_autowidth_title_dim > \linewidthoutside`

       This title should break and be of width `\linewidthoutside`

```
Super long long long long long long long long long long long long
long long long long long long long long title.

1   Long short text
```

(b) `autowidth = upper`

```
Julia.

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

2   \mywidth = 313.75139pt
```

    (i)

This should have no broken line.

```
1
```

(ii)

This should have a broken line.

```
1

↪
```

(c) `autowidth = lower`

(i) `\l__Prassble_listings_autowidth_lower_dim >= \eqboxwidth{codeupperwidth\arab`

The following box should have width equal to the linewidth.

TEX.

```
1   Hello\\ hewwo \hspace{10cm} heh
```

Hello

hewwo   heh

(ii) `\l__Prassble_listings_autowidth_lower_dim >= \eqboxwidth{codeupperwidth\arab`

The following box should have width equal to the width of the **\tcblower**

Long long long long long long long long long long long title.

```
1   Hello\\ hewwo \hspace{5cm} heh
```

Hello

hewwo   heh

(iii) `\l__Prassble_listings_autowidth_lower_dim < \eqboxwidth{codeupperwidth\arabi`

The following box should have width equal to that of the **\tcblower**.

TEX.

```
Hello\\
↪   hewwo\\
↪   heh
```

Hello

hewwo

heh

1.2 Two Autowidth Options Selected

(a) `autowidth = title + upper`

    (i) `\l__Prassble_listings_autowidth_title_dim <= \linewidthoutside`

This box should be of width `\l__Prassble_listings_autowidth_title_dim`

> **smol.**
>
> 1 | Long short text

    (ii) `\l__Prassble_listings_autowidth_title_dim > \linewidthoutside`

This title should break and be of width `\linewidthoutside`

> **Super long long long long long long long long long long long long long long long long long long long long long long title.**
>
> 1 | Long short text

    (iii) i.

> **Julia.**
>
> 1 | `\xdef\mywidth{\the\linewidth}\mywidth`
> 2 | `\mywidth = 290.23326pt`

      ii.

> **This should have no broken line.**
>
> 1 |

> **This should also have no broken line (But the title should break).**
>
> 1 |

      iii.

> **This should have a broken line.**
>
> 1 |
> ↪

> **This should also have a broken line (But the title should break).**
>
> 1 ↪

(b) `autowidth = title + lower`

    (i) **\l__Prassble_listings_autowidth_title_dim <= \linewidthoutside**

This box should be of width **\l__Prassble_listings_autowidth_title_dim**

> **smol.**
>
> 1 `Long short text`

    (ii) **\l__Prassble_listings_autowidth_title_dim > \linewidthoutside**

This title should break and be of width **\linewidthoutside**

> **Super long long long long long long long long long long long long long long long long long long long long title.**
>
> 1 `Long short text`

    (iii) **\l__Prassble_listings_autowidth_lower_dim >= \eqboxwidth{codeupperwidth\arab**

The following box should have width equal to the linewidth.

> **TEX.**
>
> 1 `Hello\\ hewwo \hspace{10cm} heh`
> -
> Hello
> hewwo   heh

    (iv) **\l__Prassble_listings_autowidth_title_dim >= \l__Prassble_listings_autow**
          >= \eqboxwidth{codeupperwidth\a

The following box should have width equal to the width of the title

> **Long long long long long long long long long title.**
>
> 1 `Hello\\ hewwo \hspace{5cm} heh`
> -
> Hello
> hewwo   heh

    (v) **\l__Prassble_listings_autowidth_lower_dim < \eqboxwidth{codeupperwidth\arabi**

The following box should have width equal to that of the **\tcblower**.

TEX.

```
Hello\\
↪    hewwo\\
↪    heh
```

Hello

hewwo

heh

(c) autowidth = upper + lower

Julia.

```
1  \xdef\mywidth{\the\linewidth}\mywidth
2  \mywidth = 310.70975pt
```

(i)

This should have no broken line.

```
1
```

(ii)

This should have a broken line.

```
1

↪
```

(iii) `\l__Prassble_listings_autowidth_lower_dim >= \l__Prassble_listings_autowidth`

The following box should have width equal to the linewidth.

TEX.

```
1  Hello\\ hewwo \hspace{10cm} heh
```

Hello

hewwo   heh

(iv) `\l__Prassble_listings_autowidth_lower_dim >= \l__Prassble_listings_autowidth`

The following box should have width equal to the width of the `\tcblower`

Long long long long long long long long long long long title.

```
1  Hello\\ hewwo \hspace{5cm} heh
```

Hello
hewwo   heh

(v) `\l__Prassble_listings_autowidth_lower_dim < \l__Prassble_listings_autowidth_`

The following box should have width equal to that of the the width of the upper.

T_EX.

`Hello\\ hewwo\\ heh`

Hello
hewwo
heh

1.3 (All) Three Autowidth Options Selected

(a) `\l__Prassble_listings_autowidth_upper_dim >= \l__Prassble_listings_autowidth_⟨titl`

This box should be of width `\l__Prassble_listings_autowidth_upper_dim`

smol.

1 `Long short text`

Long short text

(b) `\l__Prassble_listings_autowidth_lower_dim >= \l__Prassble_listings_autowidth_⟨titl`

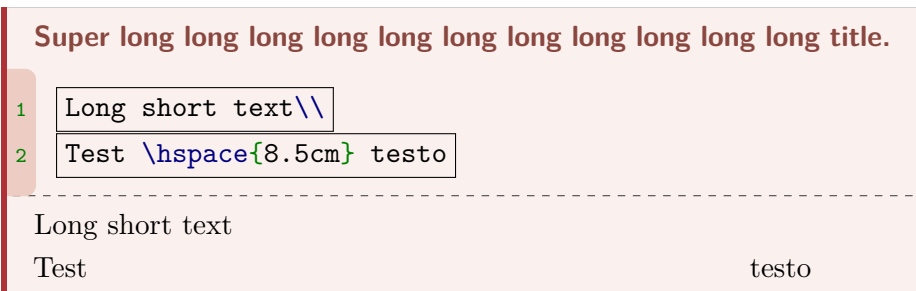This box should be of width `\l__Prassble_listings_autowidth_lower_dim`

smol.

1 `\hspace{10cm}`

(c) `\l__Prassble_listings_autowidth_title_dim >= \l__Prassble_listings_autowidth_⟨upper`

This title should break and be of width `\linewidthoutside`

Super long long long long long long long long long long long title.

1 `Long short text\\`
2 `Test \hspace{8.5cm} testo`

Long short text
Test   testo

(d) `\l__Prassble_listings_autowidth_title_dim > \linewidthoutside`

This title should break and be of width `\linewidthoutside`

Super long long long long long long long long long long long long long long long long long long long long title.

```
1  Long short text\\

2  Test \hspace{10cm} testo
```

Long short text
Test   testo

(e)

Julia.

```
1  \xdef\mywidth{\the\linewidth}\mywidth

2  \mywidth = 348.8266pt
```

This should have no broken line.

```
1  (Without listing and text)

2
```

(f)

This should have a broken line.

```
1  (Without listing and text)

2

↪
```

Text.

```
1  test
```
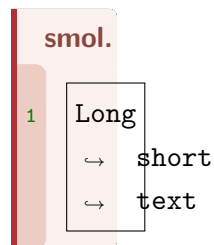
ModifiedNewTCBInputListing

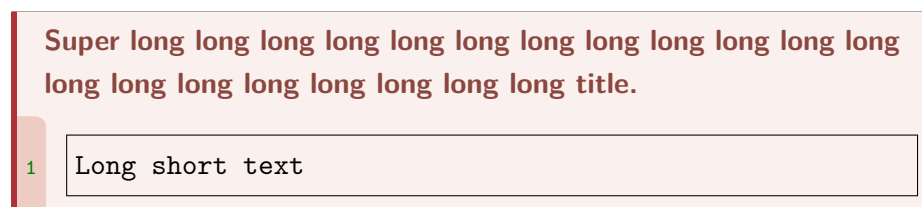## 2.1 One Autowidth Option Selected

(a) `autowidth = title`

    (i) `\l__Prassble_listings_autowidth_title_dim <= \linewidthoutside`

      This box should be of width `\l__Prassble_listings_autowidth_title_dim`

```
      smol.

  1  | Long
     |  ↪   short
     |  ↪   text
```

    (ii) `\l__Prassble_listings_autowidth_title_dim > \linewidthoutside`

      This title should break and be of width `\linewidthoutside`

```
  Super long long long long long long long long long long long
  long long long long long long long long title.

  1  | Long short text
```

(b) `autowidth = upper`

```
  Text.

  1  | \xdef\mywidth{\the\linewidth}\mywidth

  2  | \mywidth = 313.75139pt
```

(i)

> **This should have no broken line.**
>
> 1

(ii)

> **This should have a broken line.**
>
> 1
>
> ↪

(c) `autowidth = lower`

    (i) **\l__Prassble_listings_autowidth_lower_dim** >= **\eqboxwidth{**codeupperwidth**\arab**

The following box should have width equal to the linewidth.

> **Text.**
>
> 1 | `Hello\\ hewwo \hspace{10cm} heh`
> -
> Hello
> hewwo   heh

    (ii) **\l__Prassble_listings_autowidth_lower_dim** >= **\eqboxwidth{**codeupperwidth**\arab**

The following box should have width equal to the width of the **\tcblower**

> **Long long long long long long long long long long long title.**
>
> 1 | `Hello\\ hewwo \hspace{5cm} heh`
> -
> Hello
> hewwo   heh

    (iii) **\l__Prassble_listings_autowidth_lower_dim** < **\eqboxwidth{**codeupperwidth**\arab**

The following box should have width equal to that of the **\tcblower**.

> **Text.**
>
> `Hello\\`
> ↪   `hewwo\\`
> ↪   `heh`

Hello
hewwo
heh

2.2 Two Autowidth Options Selected

(a) `autowidth = title + upper`

    (i) `\l__Prassble_listings_autowidth_title_dim <= \linewidthoutside`

       This box should be of width `\l__Prassble_listings_autowidth_title_dim`
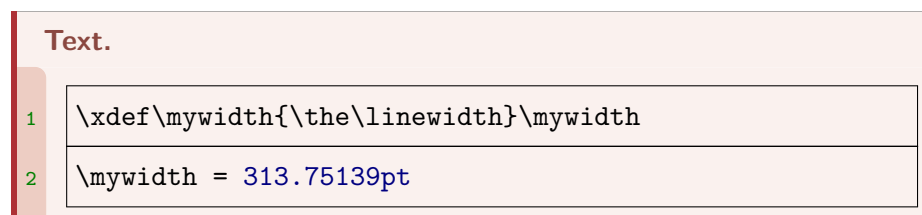
smol.

```
1   Long short text
```

    (ii) `\l__Prassble_listings_autowidth_title_dim > \linewidthoutside`

       This title should break and be of width `\linewidthoutside`

Super long long long long long long long long long long long long long long long long long long long long title.

```
1   Long short text
```

    (iii)   i.

Text.

```
1   \xdef\mywidth{\the\linewidth}\mywidth
2   \mywidth = 290.23326pt
```

      ii.

This should have no broken line.

```
1
```

This should also have no broken line (But the title should break).

```
1
```

      iii.

This should have a broken line.

1
↪

This should also have a broken line (But the title should break).

1
↪

(b) `autowidth = title + lower`

    (i) **`\l__Prassble_listings_autowidth_title_dim <= \linewidthoutside`**

This box should be of width **`\l__Prassble_listings_autowidth_title_dim`**

smol.

1 `Long short text`

    (ii) **`\l__Prassble_listings_autowidth_title_dim > \linewidthoutside`**

This title should break and be of width **`\linewidthoutside`**

Super long long long long long long long long long long long long long long long long long long long long long title.

1 `Long short text`

    (iii) **`\l__Prassble_listings_autowidth_lower_dim >= \eqboxwidth{`**codeupperwidth**`\ara`**

The following box should have width equal to the linewidth.

Text.

1 `Hello\\ hewwo \hspace{10cm} heh`

- -

Hello
hewwo   heh

    (iv) **`\l__Prassble_listings_autowidth_title_dim >= \l__Prassble_listings_autow`**
                    `>= \eqboxwidth{`codeupperwidth**`\a`**

The following box should have width equal to the width of the title

Long long long long long long long long title.

```
1   Hello\\ hewwo \hspace{5cm} heh
```

Hello
hewwo   heh

(v) **\l__Prassble_listings_autowidth_lower_dim** < **\eqboxwidth{**codeupperwidth**\arabi**

The following box should have width equal to that of the **\tcblower**.

Text.

```
Hello\\
↪   hewwo\\
↪   heh
```

Hello
hewwo
heh

(c) `autowidth = upper + lower`

Text.

```
1   \xdef\mywidth{\the\linewidth}\mywidth

2   \mywidth = 310.70975pt
```

(i)

This should have no broken line.

```
1
```

(ii)

This should have a broken line.

```
1


↪
```

(iii) **\l__Prassble_listings_autowidth_lower_dim** >= **\l__Prassble_listings_autowidth**

The following box should have width equal to the linewidth.

Text.

```
1   Hello\\ hewwo \hspace{10cm} heh
```

Hello

hewwo   heh

(iv) `\l__Prassble_listings_autowidth_lower_dim >= \l__Prassble_listings_autowidth`

The following box should have width equal to the width of the `\tcblower`

Long long long long long long long long long long long title.

```
1   Hello\\ hewwo \hspace{5cm} heh
```

Hello

hewwo   heh

(v) `\l__Prassble_listings_autowidth_lower_dim < \l__Prassble_listings_autowidth_`

The following box should have width equal to that of the the width of
the upper.

Text.

```
Hello\\ hewwo\\ heh
```

Hello

hewwo

heh

2.3 (All) Three Autowidth Options Selected

(a) `\l__Prassble_listings_autowidth_upper_dim >= \l__Prassble_listings_autowidth_⟨title`

This box should be of width `\l__Prassble_listings_autowidth_upper_dim`

smol.

```
1   Long short text
```

Long short text

(b) `\l__Prassble_listings_autowidth_lower_dim >= \l__Prassble_listings_autowidth_⟨title`

This box should be of width `\l__Prassble_listings_autowidth_lower_dim`

> **smol.**
>
> 1 | `\hspace{10cm}`

(c) `\l__Prassble_listings_autowidth_title_dim` >= `\l__Prassble_listings_autowidth_`⟨upper

This title should break and be of width `\linewidthoutside`

> **Super long long long long long long long long long long long title.**
>
> 1 | `Long short text\\`
> 2 | `Test \hspace{8.5cm} testo`
>
> Long short text
> Test   testo

(d) `\l__Prassble_listings_autowidth_title_dim` > `\linewidthoutside`

This title should break and be of width `\linewidthoutside`

> **Super long long long long long long long long long long long long long long long long long long long title.**
>
> 1 | `Long short text\\`
>
> 2 | `Test \hspace{10cm} testo`
>
> Long short text
> Test   testo

(e)

> **Text.**
>
> 1 | `\xdef\mywidth{\the\linewidth}\mywidth`
>
> 2 | `\mywidth = 348.8266pt`

> **This should have no broken line.**
>
> 1 | `(Without listing and text)`
>
> 2 |

(f)

This should have a broken line.

```
1  (Without listing and text)
2

   ↪
```