

## Last successful compile: 2025-09-26 14:06:15Z

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

## 1.1 One Autowidth Option Selected

(i) `\l__listings_autowidth_title_dim <= \linewidthoutside`

1

smol.

Long

↪ short

↪ text

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

1 Long short text

**Julia.**

```
2 \mywidth = 313.45547pt
```

(i)

This should have breaklines disabled.

1

(ii)

This should have breaklines enabled.

1

↪

(c) `autowidth = lower`

(i) `\l__listings_autowidth_lower_dim >= \eqboxwidth{codeupperwidth\arabic{code}}`

The following box should have width equal to the linewidth.

**T<sub>E</sub>X.**

1

Hello\\ hewwo \hspace{10cm} heh

Hello

hewwo

heh

(ii) `\l__listings_autowidth_lower_dim >= \eqboxwidth{codeupperwidth\arabic{code}}`

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

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

1

Hello\\ hewwo \hspace{5cm} heh

Hello

hewwo

heh

(iii) `\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

## 1.2 Two Autowidth Options Selected

(a) `autowidth = title + upper`

(i) `\l__listings_autowidth_title_dim <= \linewidthoutside`

This box should be of width `\l__listings_autowidth_title_dim`

**smol.**

1

Long short text

(ii) `\l__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 title.**

1

Long short text

(iii) i.

**Julia.**

1

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

2

`\mywidth = 289.93735pt`

ii.

**This should have breaklines disabled.**

1

**This should also have breaklines disabled (But the title should break).**

1

iii.

**This should have breaklines enabled.**

1

↪

This should also have breaklines disabled (But the title should break).

1

↪

(b) `autowidth = title + lower`

(i) `\l__listings_autowidth_title_dim <= \linewidthoutside`

This box should be of width `\l__listings_autowidth_title_dim`

smol.

1

Long short text

(ii) `\l__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 title.

1

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.**

1

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 long title.

1

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.**

```
1 \xdef\mywidth{\the\linewidth}\mywidth
2 \mywidth = 310.41383pt
```

(i)

**This should have  
breaklines disabled.**

```
1 \hspace{\mywidth}
```

(ii)

**This should have breaklines en-  
abled.**

```
1 \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<sub>E</sub>X.**

```
1 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`

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

```
1 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 the width of the upper.



T<sub>E</sub>X.

Hello\\ hewwo\\ heh

Hello  
hewwo  
heh

### 1.3 (All) Three Autowidth Options Selected

(a) `\l__listings_autowidth_upper_dim >= \l__listings_autowidth_<title, lower>_dim`

This box should be of width `\l__listings_autowidth_upper_dim`



smol.

1 Long short text

(b) `\l__listings_autowidth_lower_dim >= \l__listings_autowidth_<title, upper>_dim`

This box should be of width `\l__listings_autowidth_lower_dim`

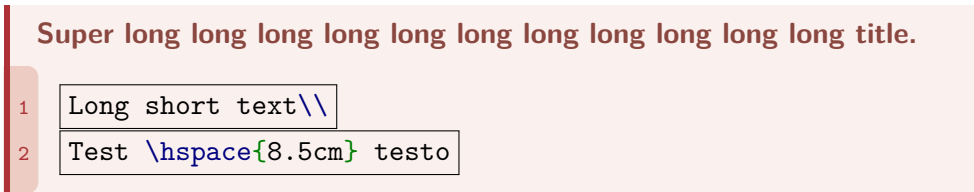


smol.

1 \hspace{10cm}

(c) `\l__listings_autowidth_title_dim >= \l__listings_autowidth_<upper, lower>_dim`

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



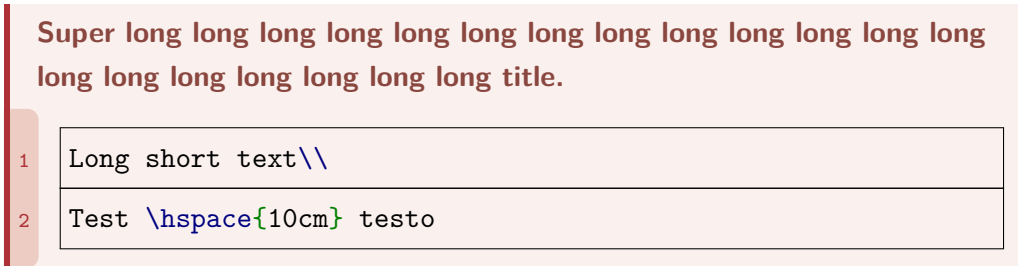
Super long long long long long long long long long long title.

1 Long short text\\

2 Test \hspace{8.5cm} testo

(d) `\l__listings_autowidth_title_dim > \linewidthoutside`

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



Super long title.

1 Long short text\\

2 Test \hspace{10cm} testo

(e)

Julia.

```
1 \xdef\mywidth{\the\linewidth}\mywidth
2 \mywidth = 348.53069pt
```

This should have breaklines disabled.

```
1 \hspace{\mywidth}
```

(f)

This should have breaklines enabled.

```
1 \hspace{\mywidth+0.00001pt}
```

Text.

```
1 test
```



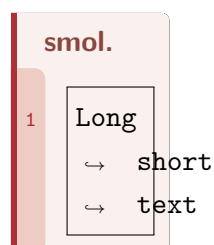
## ModifiedNewTCBInputListing

### 2.1 One Autowidth Option Selected

(a) `autowidth = title`

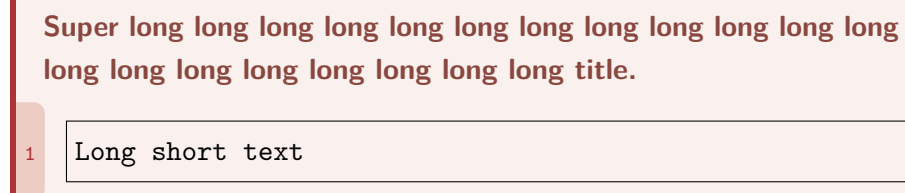
(i) `\l__listings_autowidth_title_dim <= \linewidthoutside`

This box should be of width `\l__listings_autowidth_title_dim`

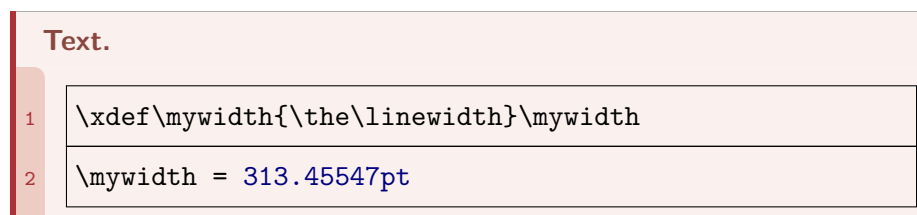


(ii) `\l__listings_autowidth_title_dim > \linewidthoutside`

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



(b) `autowidth = upper`



(i)

**This should have breaklines disabled.**

1

(ii)

**This should have breaklines enabled.**

1

↩→

(c) `autowidth = lower`(i) `\l__listings_autowidth_lower_dim >= \eqboxwidth{codeupperwidth\arabic{code}}`

The following box should have width equal to the linewidth.

**Text.**

1

Hello\\ hewwo \hspace{10cm} heh

Hello

hewwo

heh

(ii) `\l__listings_autowidth_lower_dim >= \eqboxwidth{codeupperwidth\arabic{code}}`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__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

```

## 2.2 Two Autowidth Options Selected

(a) `autowidth = title + upper`

(i) `\l__listings_autowidth_title_dim <= \linewidthoutside`

This box should be of width `\l__listings_autowidth_title_dim`

**smol.**

```

1 Long short text

```

(ii) `\l__listings_autowidth_title_dim > \linewidthoutside`

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

**Super long title.**

```

1 Long short text

```

(iii) i.

**Text.**

```

1 \xdef\mywidth{\the\linewidth}\mywidth
2 \mywidth = 289.93735pt

```

ii.

**This should have breaklines disabled.**

```

1

```

**This should also have breaklines disabled (But the title should break).**

```

1

```

iii.

This should have breaklines enabled.

1

↩→

This should also have breaklines disabled (But the title should break).

1

↩→

(b) autowidth = title + lower

(i) `\l__listings_autowidth_title_dim <= \linewidthoutside`

This box should be of width `\l__listings_autowidth_title_dim`

smol.

1

Long short text

(ii) `\l__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 title.

1

Long short text

(iii) `\l__listings_autowidth_lower_dim >= \eqboxwidth{codeupperwidth\arabic{code}}`

The following box should have width equal to the linewidth.

Text.

1

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.

```
1 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.

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

```
2 \mywidth = 310.41383pt
```

(i)

This should have  
breaklines disabled.

```
1 \hspace{\mywidth}
```

(ii)

This should have breaklines en-  
abled.

```
1 \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.

**Text.**

```
1 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`

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

```
1 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 the width of the upper.

**Text.**

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

Hello

hewwo

heh

## 2.3 (All) Three Autowidth Options Selected

(a) `\l__listings_autowidth_upper_dim >= \l__listings_autowidth_<title, lower>_dim`

This box should be of width `\l__listings_autowidth_upper_dim`

**smol.**

```
1 Long short text
```

(b) `\l__listings_autowidth_lower_dim >= \l__listings_autowidth_<title, upper>_dim`

This box should be of width `\l__listings_autowidth_lower_dim`

**smol.**

```
1 \\hspace{10cm}
```

(c) `\l__listings_autowidth_title_dim >= \l__listings_autowidth_<upper, lower>_dim`

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

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

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

(d) `\l__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 title.**

```
1 Long short text\\
2 Test \hspace{10cm} testo
```

(e)

**Text.**

```
1 \xdef\mywidth{\the\linewidth}\mywidth
2 \mywidth = 348.53069pt
```

**This should have breaklines disabled.**

```
1 \hspace{\mywidth}
```

(f)

**This should have breaklines enabled.**

```
1 \hspace{\mywidth+0.00001pt}
```