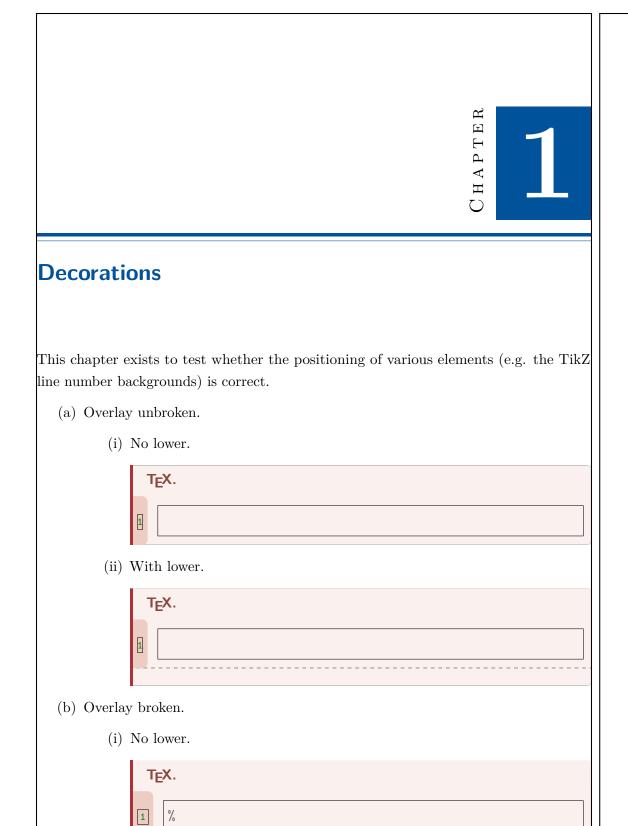
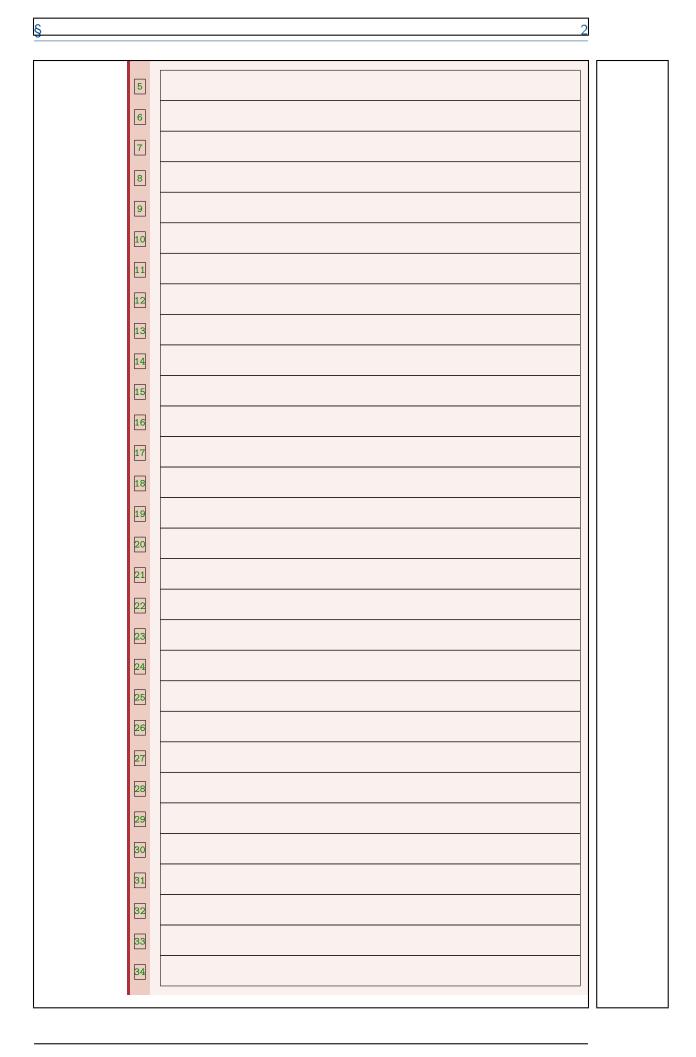
st succ	essful compile:	2025-10-3	30 01:00:28	BZ
	pilation of various uses of			
	outListing. In this way ly—as bug-free as possi		ks are performed to	ensure they
ext.				
Hello				

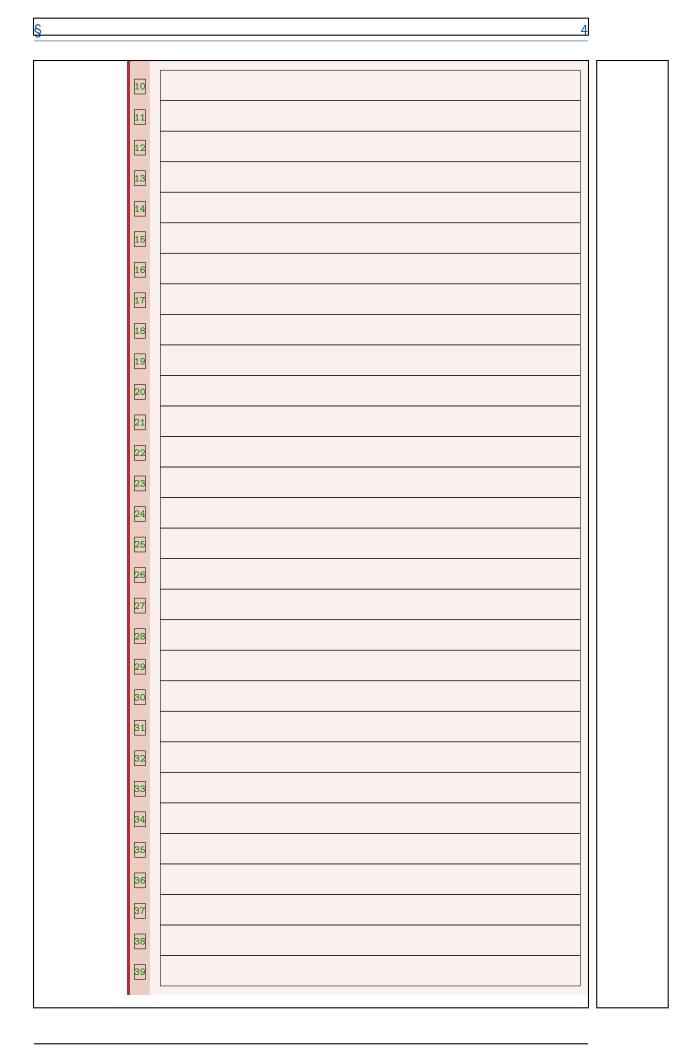
Contents

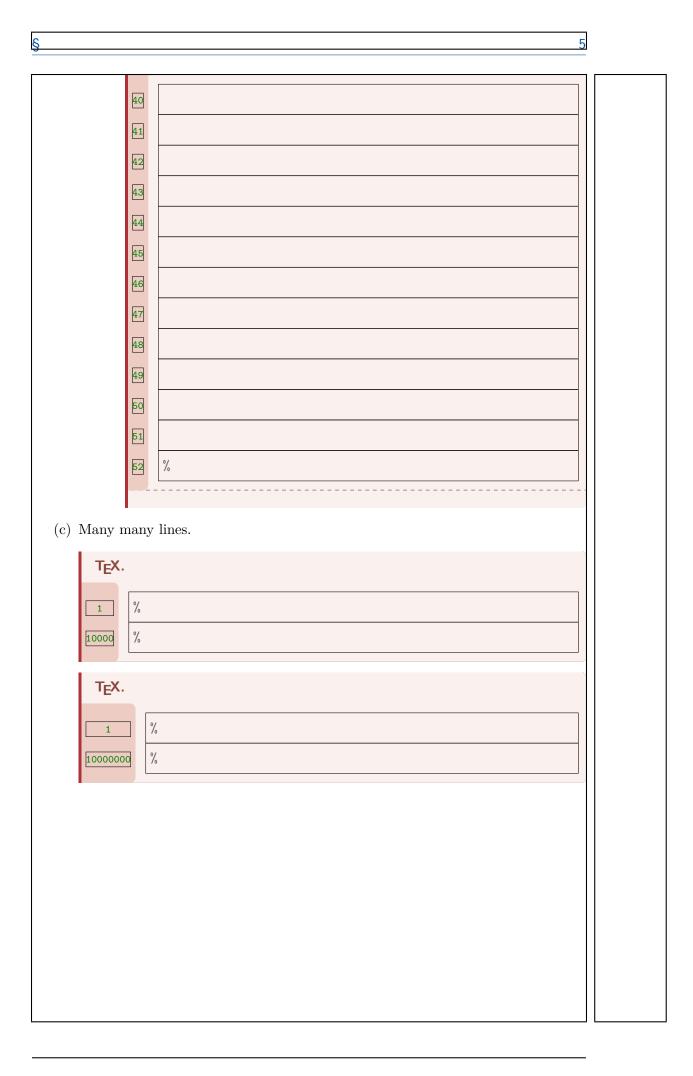
1	Dec	oratio.				
2	Type in thmgroup: inner					
	2.1	NewP	CBListing	. 6		
	2.2	NewP	CBInputListing	. 6		
3	Aut	owidtł	h	8		
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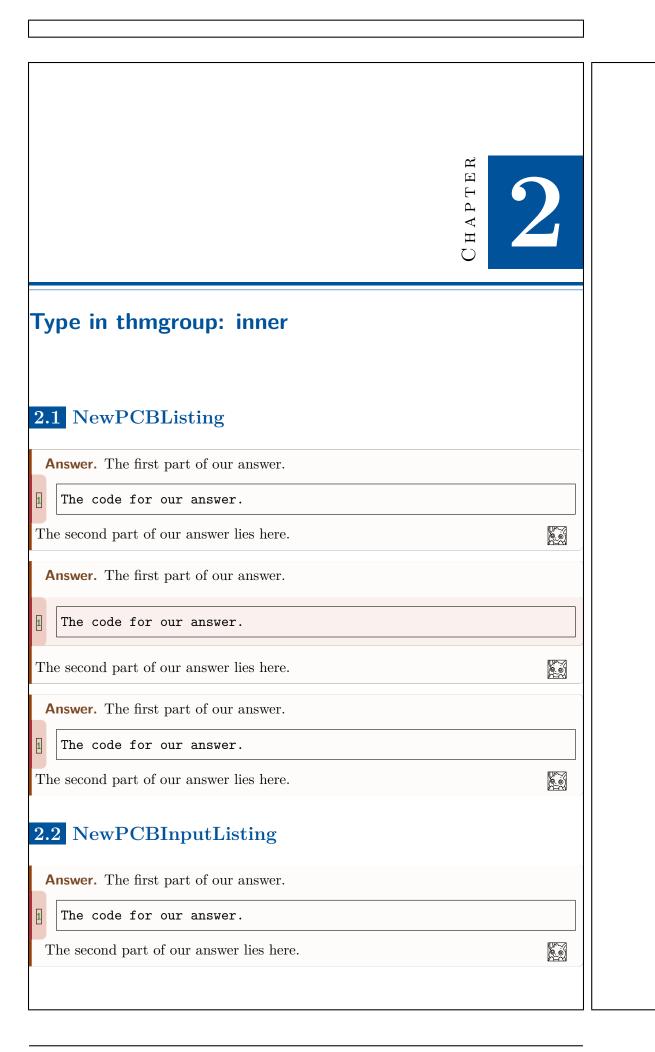




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(ii) Wit	h lower	
	EX.	
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8		
9		









CHAPTER

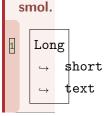
Autowidth

3.1 NewPCBListing

3.1.1 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.



(ii) \l__Prassble_listings_autowidth_title_dim > \linewidthoutside

This title should break and be of width \linewidthoutside



(b) autowidth = upper

Julia.

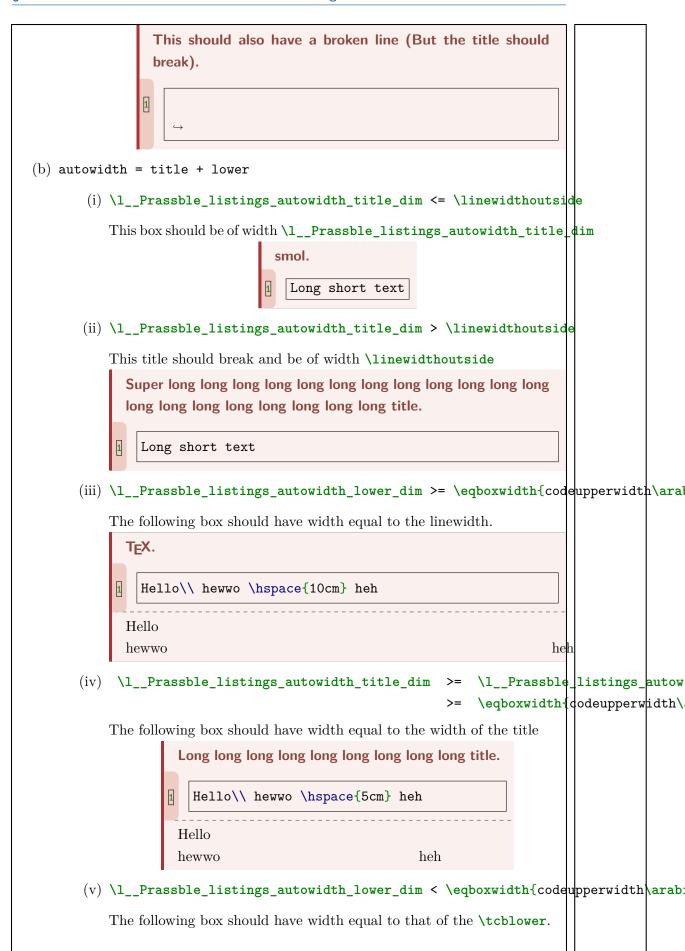
\[\xdef\mywidth{\the\linewidth}\mywidth \\ mywidth = 313.75139pt \]



heh

Hello hewwo heh

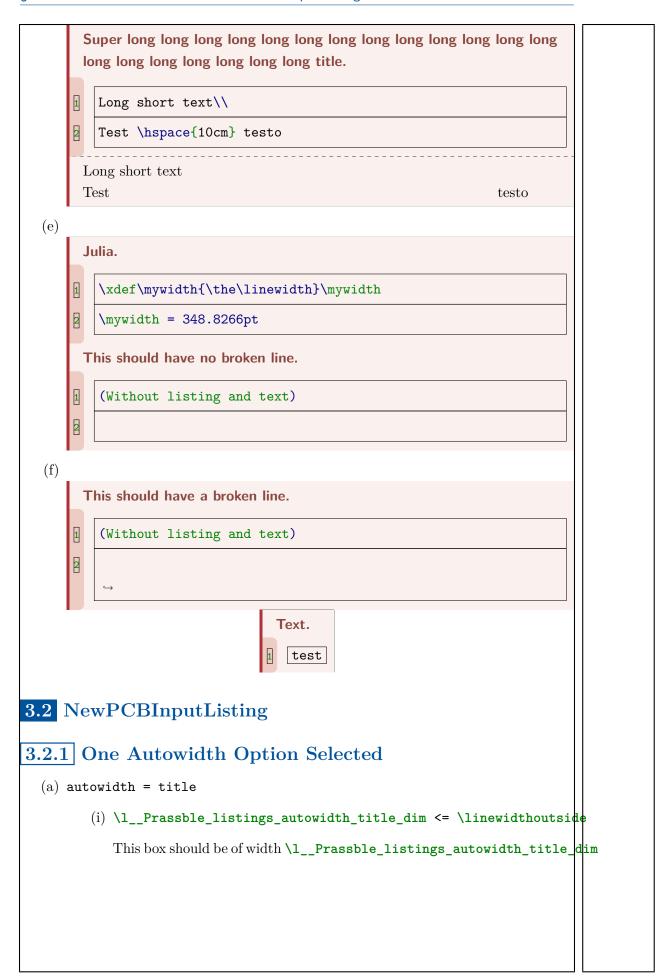
3.1.2 Two Autowidth Options Selected
(a) autowidth = title + upper
$(i) \label{listings_autowidth_title_dim <= \linewidthoutside} (i) listings_autowidth_title_dim <= \linewidth_title_dim <= \linewidth_titl$
This box should be of width \lPrassble_listings_autowidth_title_dim smol. Long short text
$(ii) $$ \linewidth_title_dim > $$ \linewidthoutside $$$
This title should break and be of width \linewidthoutside
Super long long long long long long long long
Long short text
(iii) i.
Julia.
\xdef\mywidth{\the\linewidth}\mywidth
\mywidth = 290.23326pt
ii. This should have no broken line.
This should also have no broken line (But the title should break).
iii.
This should have a broken line.

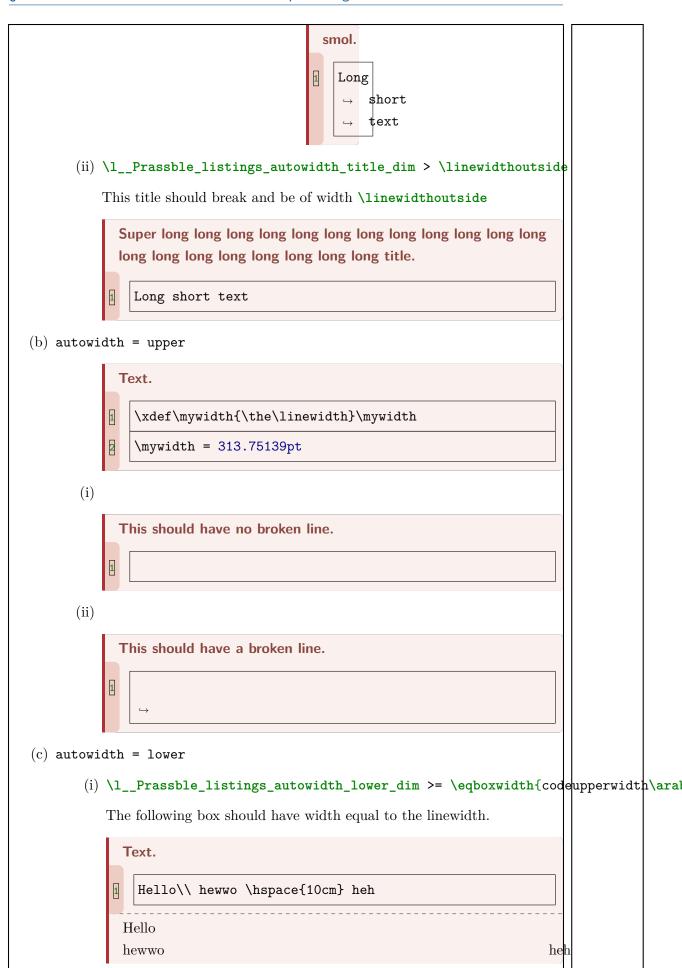


	_	_
T _E X. Hello\\ → hewwo\\ → heh Hello hewwo heh		
(c) autowidth = upper + lower		
Julia.		
\xdef\mywidth{\the\linewidth}\mywidth		
\mywidth = 310.70975pt		
(i)		
This should have no broken line.		
(ii)		
This should have a broken line.		
\hookrightarrow		
(iii) \1 Progghlo lightings out out dth louan dim \= \1 Progghlo li	iatinga sut	
(iii) \lPrassble_listings_autowidth_lower_dim >= \lPrassble_l:	ustings_aut	DWIGL
The following box should have width equal to the linewidth.		
T _E X.		
Hello\\ hewwo \hspace{10cm} heh		
Hello	-	
hewwo	e h	
(iv) \lPrassble_listings_autowidth_lower_dim >= \l_Prassble_listings_autowidth_lower_dim >= \l_Prassble_listings_autowidth_lower_dim >= \l_Prassble_listings_autowidth_lower_dim >= \lambda_listings_autowidth_lower_dim >=	 istings_aut	pwidt
The following box should have width equal to the width of the \tcblower		
Long long long long long long		
long long long title.		
Hello\\ hewwo \hspace{5cm} heh		

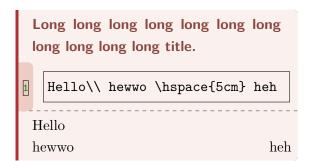
Hello hewwo heh (v) \l__Prassble_listings_autowidth_lower_dim < \l__Prassble_listings_autowidth_ The following box should have width equal to that of the the width of the upper. T_EX. Hello\\ hewwo\\ heh Hello hewwo heh 3.1.3 (All) Three Autowidth Options Selected (a) \l__Prassble_listings_autowidth_upper_dim >= \l__Prassble_listings_autowidth_\(\forall titl) This box should be of width \l__Prassble_listings_autowidth_upper_dim Long short text (b) \l_Prassble_listings_autowidth_lower_dim >= \l_Prassble_listings_autowidth_\langle\titl This box should be of width \l_Prassble_listings_autowidth_lower_dim (c) \l__Prassble_listings_autowidth_title_dim >= \l__Prassble_listings_autowidth_\langle\uppe This title should break and be of width \linewidthoutside Long short text\\ Test \hspace{8.5cm} testo Long short text Test (d) \l__Prassble_listings_autowidth_title_dim > \linewidthoutside

This title should break and be of width \linewidthoutside

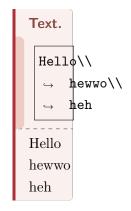




(ii) \l__Prassble_listings_autowidth_lower_dim >= \eqboxwidth{codeupperwidth\arab

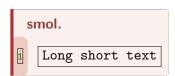


(iii) \l__Prassble_listings_autowidth_lower_dim < \eqboxwidth{codeupperwidth\arab:
The following box should have width equal to that of the \tcblower.



3.2.2 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



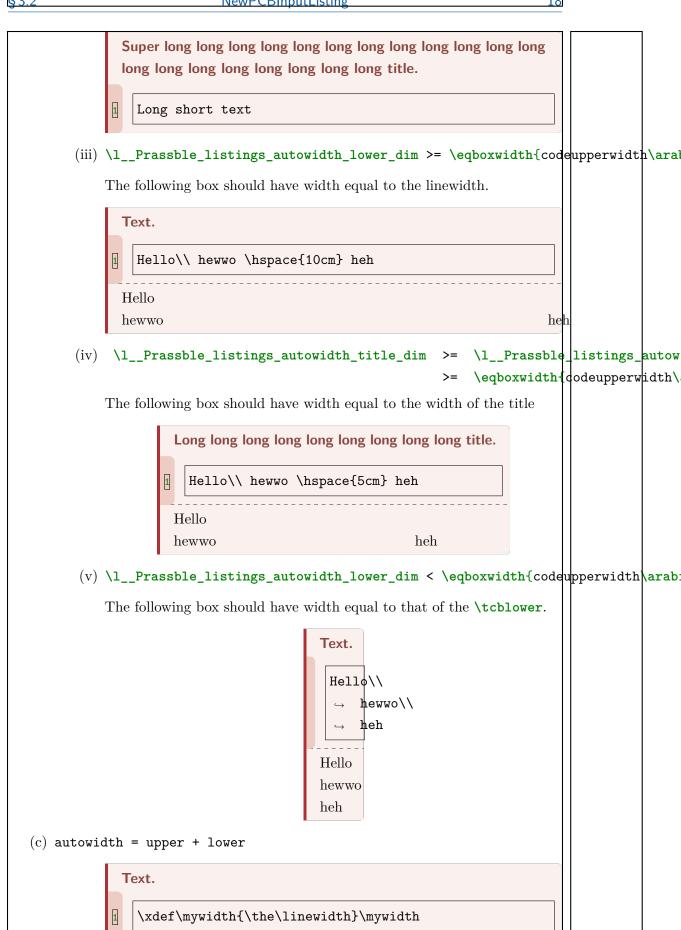
(ii) $\l_{\rm prassble_listings_autowidth_title_dim} > \linewidthoutside$

This title should break and be of width \linewidthoutside

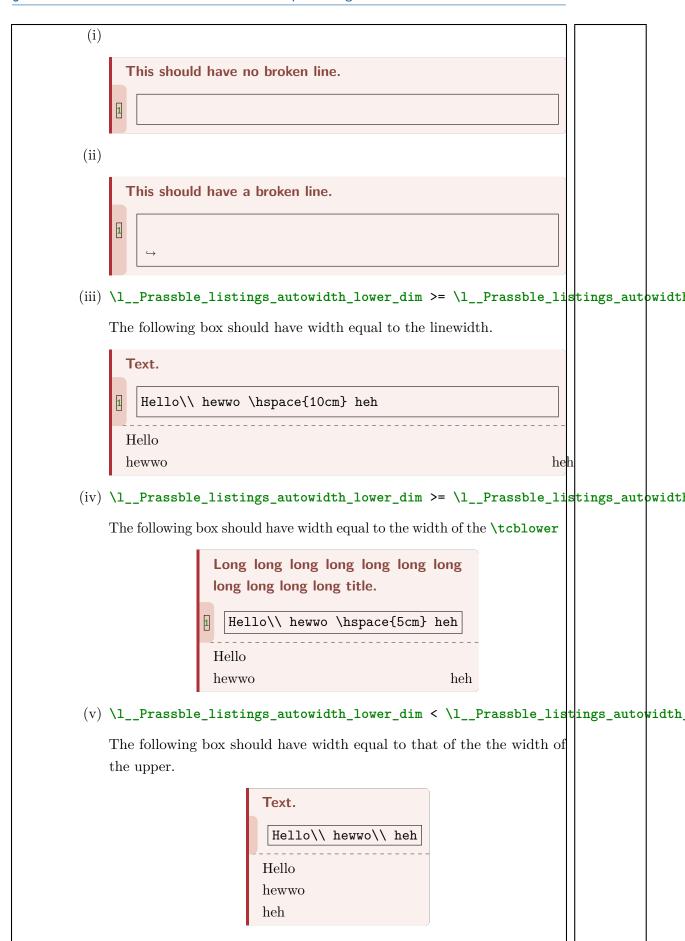
Long short text

(iii) i

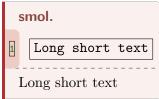
Text.
Text.
\xdef\mywidth{\the\linewidth}\mywidth
\mywidth = 290.23326pt
ii.
This should have no broken line.
This should also have no broken line (But the title should break).
iii.
This should have a broken line.
This should also have a broken line (But the title should break).
(b) autowidth = title + lower
$(i) \ \label{linear} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
This box should be of width \lPrassble_listings_autowidth_title_dim
smol. Long short text
$({ m ii})\ \label{linewidth_title_dim} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
This title should break and be of width \linewidthoutside



 $\mbox{mywidth} = 310.70975pt$





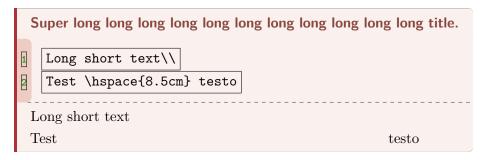


(b) \l__Prassble_listings_autowidth_lower_dim >= \l__Prassble_listings_autowidth_\delta\titl

This box should be of width \l__Prassble_listings_autowidth_lower_dim

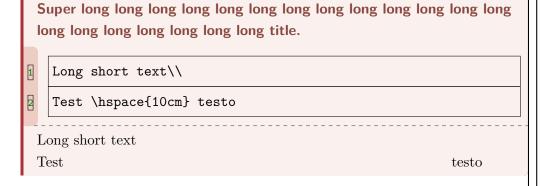


(c) \l__Prassble_listings_autowidth_title_dim >= \l__Prassble_listings_autowidth_\undersplace uppe
This title should break and be of width \linewidthoutside



(d) \l__Prassble_listings_autowidth_title_dim > \linewidthoutside

This title should break and be of width \linewidthoutside



(e)

```
Text.
          \xdef\mywidth{\the\linewidth}\mywidth
          \mbox{mywidth} = 348.8266pt
        This should have no broken line.
      1
          (Without listing and text)
  (f)
        This should have a broken line.
          (Without listing and text)
      2
3.2.4 \Inputify
 T<sub>E</sub>X.
   hello
 Text.
    (Without listing and text)
 T<sub>E</sub>X.
    \subsection{Theorems}
1
    Contents of the first subsection of this document
3
    \begin{theorem}[label=thm:1.1]
4
         This is the first theorem.
5
    \end{theorem}
6
    \begin{proof}
7
         This is my proof of the first theorem.
     \end{proof}
```

		1	
9	%		
10	\subsection{Exercises}		
11	\begin{exercise}[label=ex:1.1]		
12	This is the first exercise.		
13	\end{exercise}		
14	\begin{answer}		
15	This is the first answer to the first exercise.		
16	\end{answer}		
17	%		
18	\Input[HW-In-Main] {1.tex}		
19	%		