

# Stress test document

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## Contents

|  |    |
|--|----|
| Using this document                            | 1  |
| 1 Standard fonts and symbols                   | 2  |
| 2 Taken from the comprehensive symbol list     | 3  |
| 3 Standard structures                          | 4  |
| 4 Standard mathematics                         | 8  |
| 4.1 Standard mathematical symbols . . . . .    | 8  |
| 4.2 Standard mathematical structures . . . . . | 10 |
| 5 Standard graphics                            | 12 |

## List of Figures

## List of Tables

|                             |   |
|-----------------------------|---|
| 1 This is a table . . . . . | 6 |
|-----------------------------|---|

# Using this document

This is the vanilla  $\text{\LaTeX}$  test document compiled from  $\text{\LaTeX}$  into multiple formats:

- Standard print PDF
- Clearer print PDF
- Accessible web format
- Accessible Word document

The primary purpose of this document is to test parts of basic  $\text{\LaTeX}$  (no AMS or external graphics) under various transforms. The content of this document is **not** a description of a transformable set of  $\text{\LaTeX}$  which will certainly be smaller.

# 1 Standard fonts and symbols

A baseline of text which is a single line long in 12pt font with no indent applied.

Centered text.

Flush left text.

Flush right text.

A baseline of text which is a single line long in 12pt font with no indent applied.

Standard text. Tiny text. Scriptsize text. Footnotesize text. Small text. Normalsize text. large text. Large text. LARGE text. huge text. Huge text.

Standard text. *Emphasized text.* Roman text. Roman inline. SMALL CAPS TEXT. SMALL CAPS INLINE Typewriter text. Typewriter inline. *Italics text.* *Italics inline.* Sans serif text. San serif inline. *Slant text.* *Slant inline.* **Bold text.** **Bold inline.** **A combination of bold and *italic text.*** **A combination inline of bold *and inline italics.***

## 2 Taken from the comprehensive symbol list

Special characters: \$ % \_ } & # {

Textmode characters:

^&lt;~a\*o\¶||·{;}"●"©‘†‡®\$§...£—™—\_¡\_&gt;

Mathmode and textmode:  $\_ \{ \text{©} \}$  £

Accents: ä á à ā â ã    a a ạ ă ǎ ȃ ă ă ă @ ijï

For mathematical symbols, see the section 4.1.

### 3 Standard structures

A baseline of text which is a single line long in 12pt font with no indent applied.

In the quote environment [paragraphs] are indicated with more vertical spacing between them.

Additional vertical spacing is inserted above and below the displayed text to separate it visually from the the normal text.

A baseline of text to show the height change in the above and below environments. This line was indented though to show off the next environment. The quotations are from “A Guide to L<sup>A</sup>T<sub>E</sub>X” [1]

In the quotation environment, paragraphs are marked by extra indentation of the first line.

The quotation environment is only really meaningful when the regular text makes use of first-line indentation to show off new paragraphs.

A baseline of text which is a single line long in 12pt font with no indent applied.

- An itemized list
- Using standard itemize
  - With a level 2 sub-point
    - \* With a level 3 sub-point
      - With a level 4 sub-point

& Or I can control the marker manually

A baseline of text which is a single line long in 12pt font with no indent applied.

Same list with redefinition using renewcommand of the labels labelitem(i-iv)

- \* An itemized list
- \* Using standard itemize
  - \*\* With a level 2 sub-point
    - \*\*\* With a level 3 sub-point
      - \*\*\*\* With a level 4 sub-point

& Or I can control the marker manually

- Because the renewcommands were contained in the environment they are not global

A baseline of text which is a single line long in 12pt font with no indent applied.

1. An enumerated list
2. Using standard enumerate
  - (a) With a level 2 sub-point

- i. With a level 3 sub-point
  - A. With a level 4 sub-point

& Or I can control the marker

A baseline of text which is a single line long in 12pt font with no indent applied.

Same list with redefinition using renewcommand of the labels labelenum(i-iv) by application of arabic, roman, Roman, alph or Alph

I. An enumerated list

II. Using standard enumerate

- i. With a level 2 sub-point
  - A. With a level 3 sub-point
    - a. With a level 4 sub-point

& Or I can control the marker

1. Because the renewcommands were contained in the environment they are not global

A baseline of text which is a single line long in 12pt font with no indent applied.

**first** The marker is a description

**second** in the description environment

But it is optional

A baseline of text which is a single line long in 12pt font with no indent applied.

**Theorem 3.1 (Title of the theorem)** *This is a theorem that has been produced without the AMS theorem environment or package*

A baseline of text which is a single line long in 12pt font with no indent applied.

There is the tabbing environment which lines  
                                   this with tabbing above and  
   this with and  
                                   and this with tabbing again  
 until I backwards tab

A baseline of text which is a single line long in 12pt font with no indent applied.

|  |
|--|
| This text is framed in a box. The width is determined by the text. |
|--|

|                                |
|--------------------------------|
| This box is 0.5 textwidth wide |
|--------------------------------|

A baseline of text which is a single line long in 12pt font with no indent applied.

This is a parbox half the textwidth of the page.

This is the second paragraph in the box.

|               |               |               |               |        |                                   |
|---------------|---------------|---------------|---------------|--------|-----------------------------------|
| a             | b             | c             | d             | insert | abcde                             |
| abcd          |               |               |               |        | abcde                             |
| $\frac{a}{e}$ | $\frac{b}{e}$ | $\frac{c}{e}$ | $\frac{d}{e}$ | insert | $\alpha\beta\gamma\delta\epsilon$ |

Table 1: This is a table

This is a parbox half the textwidth of the page.

This is the second paragraph in the box.

This is a minipage half the textwidth of the page.

This is the second paragraph in the minipage.

A second minipage is over here...



This is just below where the floating table 3 was defined. It should appear at the top of either this page or the page after this.

| First                    | Second   | Third |
|--------------------------|--|-------|
| This is the first line   |  |       |
| This is the second line  | $1 \times 2$   |       |
| This is the third line   | $1 \times 2 \times 3$  | 6     |
| This is the fourth line  | $1 \times 2 \times 3 \times 4$                                     | 24    |
| This is the fifth line   | $1 \times 2 \times 3 \times 4 \times 5$                            | 120   |
| This is the sixth line   | $1 \times 2 \times 3 \times 4 \times 5 \times 6$                   | 720   |
| This is the seventh line | $1 \times 2 \times 3 \times 4 \times 5 \times 6 \times 7$          | 5040  |
| This is the eighth line  | $1 \times 2 \times 3 \times 4 \times 5 \times 6 \times 7 \times 8$ | 40320 |
|                          | The  | End   |

This text should be printed verbatim with a linebreak here  
then two spaces at the start of this line which breaks here  
> this line has a prompt at the start and now some braces {}

This next verbatim but with spaces shown<sup>1</sup>.

A piece of verbatim text that we are using to test line breaking.

A baseline of text which is a single line long<sup>6</sup> in 12pt font with no indent applied.

<sup>1</sup>The word verbatim used inline verbatim.

A baseline of text which is a single line long in 12pt font with no indent applied.







𐀀 𐀁 𐀂 𐀃 𐀄 𐀅 𐀆 𐀇 𐀈 𐀉 𐀊 𐀋 𐀌 𐀍 𐀎 𐀏 𐀐 𐀑 𐀒 𐀓 𐀔 𐀕 𐀖 𐀗 𐀘 𐀙 𐀚 𐀛 𐀜 𐀝 𐀞 𐀟 𐀠 𐀡 𐀢 𐀣 𐀤 𐀥 𐀦 𐀧 𐀨 𐀩 𐀪 𐀫 𐀬 𐀭 𐀮 𐀯 𐀰 𐀱 𐀲 𐀳 𐀴 𐀵 𐀶 𐀷 𐀸 𐀹 𐀺 𐀻 𐀼 𐀽 𐀾 𐀿 𐁀 𐁁 𐁂 𐁃 𐁄 𐁅 𐁆 𐁇 𐁈 𐁉 𐁊 𐁋 𐁌 𐁍 𐁎 𐁏 𐁐 𐁑 𐁒 𐁓 𐁔 𐁕 𐁖 𐁗 𐁘 𐁙 𐁚 𐁛 𐁜 𐁝 𐁞 𐁟 𐁠 𐁡 𐁢 𐁣 𐁤 𐁥 𐁦 𐁧 𐁨 𐁩 𐁪 𐁫 𐁬 𐁭 𐁮 𐁯 𐁰 𐁱 𐁲 𐁳 𐁴 𐁵 𐁶 𐁷 𐁸 𐁹 𐁺 𐁻 𐁼 𐁽 𐁾 𐁿 𐂀 𐂁 𐂂 𐂃 𐂄 𐂅 𐂆 𐂇 𐂈 𐂉 𐂊 𐂋 𐂌 𐂍 𐂎 𐂏 𐂐 𐂑 𐂒 𐂓 𐂔 𐂕 𐂖 𐂗 𐂘 𐂙 𐂚 𐂛 𐂜 𐂝 𐂞 𐂟 𐂠 𐂡 𐂢 𐂣 𐂤 𐂥 𐂦 𐂧 𐂨 𐂩 𐂪 𐂫 𐂬 𐂭 𐂮 𐂯 𐂰 𐂱 𐂲 𐂳 𐂴 𐂵 𐂶 𐂷 𐂸 𐂹 𐂺 𐂻 𐂼 𐂽 𐂾 𐂿 𐃀 𐃁 𐃂 𐃃 𐃄 𐃅 𐃆 𐃇 𐃈 𐃉 𐃊 𐃋 𐃌 𐃍 𐃎 𐃏 𐃐 𐃑 𐃒 𐃓 𐃔 𐃕 𐃖 𐃗 𐃘 𐃙 𐃚 𐃛 𐃜 𐃝 𐃞 𐃟 𐃠 𐃡 𐃢 𐃣 𐃤 𐃥 𐃦 𐃧 𐃨 𐃩 𐃪 𐃫 𐃬 𐃭 𐃮 𐃯 𐃰 𐃱 𐃲 𐃳 𐃴 𐃵 𐃶 𐃷 𐃸 𐃹 𐃺 𐃻 𐃼 𐃽 𐃾 𐃿 𐄀 𐄁 𐄂 𐄃 𐄄 𐄅 𐄆 𐄇 𐄈 𐄉 𐄊 𐄋 𐄌 𐄍 𐄎 𐄏 𐄐 𐄑 𐄒 𐄓 𐄔 𐄕 𐄖 𐄗 𐄘 𐄙 𐄚 𐄛 𐄜 𐄝 𐄞 𐄟 𐄠 𐄡 𐄢 𐄣 𐄤 𐄥 𐄦 𐄧 𐄨 𐄩 𐄪 𐄫 𐄬 𐄭 𐄮 𐄯 𐄰 𐄱 𐄲 𐄳 𐄴 𐄵 𐄶 𐄷 𐄸 𐄹 𐄺 𐄻 𐄼 𐄽 𐄾 𐄿 𐅀 𐅁 𐅂 𐅃 𐅄 𐅅 𐅆 𐅇 𐅈 𐅉 𐅊 𐅋 𐅌 𐅍 𐅎 𐅏 𐅐 𐅑 𐅒 𐅓 𐅔 𐅕 𐅖 𐅗 𐅘 𐅙 𐅚 𐅛 𐅜 𐅝 𐅞 𐅟 𐅠 𐅡 𐅢 𐅣 𐅤 𐅥 𐅦 𐅧 𐅨 𐅩 𐅪 𐅫 𐅬 𐅭 𐅮 𐅯 𐅰 𐅱 𐅲 𐅳 𐅴 𐅵 𐅶 𐅷 𐅸 𐅹 𐅺 𐅻 𐅼 𐅽 𐅾 𐅿 𐆀 𐆁 𐆂 𐆃 𐆄 𐆅 𐆆 𐆇 𐆈 𐆉 𐆊 𐆋 𐆌 𐆍 𐆎 𐆏 𐆐 𐆑 𐆒 𐆓 𐆔 𐆕 𐆖 𐆗 𐆘 𐆙 𐆚 𐆛 𐆜 𐆝 𐆞 𐆟 𐆠 𐆡 𐆢 𐆣 𐆤 𐆥 𐆦 𐆧 𐆨 𐆩 𐆪 𐆫 𐆬 𐆭 𐆮 𐆯 𐆰 𐆱 𐆲 𐆳 𐆴 𐆵 𐆶 𐆷 𐆸 𐆹 𐆺 𐆻 𐆼 𐆽 𐆾 𐆿 𐇀 𐇁 𐇂 𐇃 𐇄 𐇅 𐇆 𐇇 𐇈 𐇉 𐇊 𐇋 𐇌 𐇍 𐇎 𐇏 𐇐 𐇑 𐇒 𐇓 𐇔 𐇕 𐇖 𐇗 𐇘 𐇙 𐇚 𐇛 𐇜 𐇝 𐇞 𐇟 𐇠 𐇡 𐇢 𐇣 𐇤 𐇥 𐇦 𐇧 𐇨 𐇩 𐇪 𐇫 𐇬 𐇭 𐇮 𐇯 𐇰 𐇱 𐇲 𐇳 𐇴 𐇵 𐇶 𐇷 𐇸 𐇹 𐇺 𐇻 𐇼 𐇽 𐇾 𐇿 𐈀 𐈁 𐈂 𐈃 𐈄 𐈅 𐈆 𐈇 𐈈 𐈉 𐈊 𐈋 𐈌 𐈍 𐈎 𐈏 𐈐 𐈑 𐈒 𐈓 𐈔 𐈕 𐈖 𐈗 𐈘 𐈙 𐈚 𐈛 𐈜 𐈝 𐈞 𐈟 𐈠 𐈡 𐈢 𐈣 𐈤 𐈥 𐈦 𐈧 𐈨 𐈩 𐈪 𐈫 𐈬 𐈭 𐈮 𐈯 𐈰 𐈱 𐈲 𐈳 𐈴 𐈵 𐈶 𐈷 𐈸 𐈹 𐈺 𐈻 𐈼 𐈽 𐈾 𐈿 𐉀 𐉁 𐉂 𐉃 𐉄 𐉅 𐉆 𐉇 𐉈 𐉉 𐉊 𐉋 𐉌 𐉍 𐉎 𐉏 𐉐 𐉑 𐉒 𐉓 𐉔 𐉕 𐉖 𐉗 𐉘 𐉙 𐉚 𐉛 𐉜 𐉝 𐉞 𐉟 𐉠 𐉡 𐉢 𐉣 𐉤 𐉥 𐉦 𐉧 𐉨 𐉩 𐉪 𐉫 𐉬 𐉭 𐉮 𐉯 𐉰 𐉱 𐉲 𐉳 𐉴 𐉵 𐉶 𐉷 𐉸 𐉹 𐉺 𐉻 𐉼 𐉽 𐉾 𐉿 𐊀 𐊁 𐊂 𐊃 𐊄 𐊅 𐊆 𐊇 𐊈 𐊉 𐊊 𐊋 𐊌 𐊍 𐊎 𐊏 𐊐 𐊑 𐊒 𐊓 𐊔 𐊕 𐊖 𐊗 𐊘 𐊙 𐊚 𐊛 𐊜 𐊝 𐊞 𐊟 𐊠 𐊡 𐊢 𐊣 𐊤 𐊥 𐊦 𐊧 𐊨 𐊩 𐊪 𐊫 𐊬 𐊭 𐊮 𐊯 𐊰 𐊱 𐊲 𐊳 𐊴 𐊵 𐊶 𐊷 𐊸 𐊹 𐊺 𐊻 𐊼 𐊽 𐊾 𐊿 𐋀 𐋁 𐋂 𐋃 𐋄 𐋅 𐋆 𐋇 𐋈 𐋉 𐋊 𐋋 𐋌 𐋍 𐋎 𐋏 𐋐 𐋑 𐋒 𐋓 𐋔 𐋕 𐋖 𐋗 𐋘 𐋙 𐋚 𐋛 𐋜 𐋝 𐋞 𐋟 𐋠 𐋡 𐋢 𐋣 𐋤 𐋥 𐋦 𐋧 𐋨 𐋩 𐋪 𐋫 𐋬 𐋭 𐋮 𐋯 𐋰 𐋱 𐋲 𐋳 𐋴 𐋵 𐋶 𐋷 𐋸 𐋹 𐋺 𐋻 𐋼 𐋽 𐋾 𐋿 𐌀 𐌁 𐌂 𐌃 𐌄 𐌅 𐌆 𐌇 𐌈 𐌉 𐌊 𐌋 𐌌 𐌍 𐌎 𐌏 𐌐 𐌑 𐌒 𐌓 𐌔 𐌕 𐌖 𐌗 𐌘 𐌙 𐌚 𐌛 𐌜 𐌝 𐌞 𐌟 𐌠 𐌡 𐌢 𐌣 𐌤 𐌥 𐌦 𐌧 𐌨 𐌩 𐌪 𐌫 𐌬 𐌭 𐌮 𐌯 𐌰 𐌱

$$\leftarrow \leftarrow \leftarrow \rightarrow \rightarrow \rightarrow \leftrightarrow \leftrightarrow \rightarrow \leftarrow \hookrightarrow \leftarrow \leftarrow \leftarrow \rightarrow \rightarrow \rightarrow \quad (14)$$

$$\longleftrightarrow \rightleftarrows \Leftrightarrow \mapsto \hookrightarrow \rightarrow \Uparrow \Downarrow \Updownarrow \nearrow \searrow \nwarrow \swarrow \quad (15)$$

$$\aleph \hbar \eta \wp \Re \Im \nabla \sqrt{\partial} \top \perp \vdash \neg \forall \exists \neq \natural \sharp || \backslash \gamma \triangle \clubsuit \diamond \heartsuit \spadesuit \infty \quad (16)$$

$$\frac{\Sigma \int \oint \Pi \amalg \cap \cup \sqcup \vee \wedge \odot \otimes \oplus \uplus}{\Sigma \int \oint \Pi \amalg \cap \cup \sqcup \vee \wedge \odot \otimes \oplus \uplus} \quad (17)$$

$$\arccos \arcsin \arctan \arg \cos \cosh \cot \coth \csc \deg \det \quad (18)$$

$$\dim \exp \gcd \operatorname{hom} \inf \ker \lg \lim \liminf \limsup \ln \log \quad (19)$$

$$\max \min \Pr \sec \sin \sinh \sup \tan \tanh \quad (20)$$

$$\det \inf_a \gcd \inf_a \lim_a \lim_a \inf_a \lim_a \sup_a \max_a \min_a \Pr \sup_a \quad (21)$$

$$a \bmod b \equiv a \pmod{b} \quad (22)$$

[illegible]

$$\left(\frac{1}{2}\right) \begin{bmatrix} 1 \\ 2 \end{bmatrix} \left\{\frac{1}{2}\right\} \left|\frac{1}{2}\right| / \backslash \left|\frac{1}{2}\right| \begin{bmatrix} 1 \\ 2 \end{bmatrix} \langle \frac{1}{2} \rangle \uparrow \frac{1}{2} \uparrow \downarrow \frac{1}{2} \downarrow \uparrow \frac{1}{2} \uparrow \uparrow \frac{1}{2} \uparrow \downarrow \frac{1}{2} \downarrow \downarrow \frac{1}{2} \downarrow \uparrow \frac{1}{2} \uparrow \quad (24)$$

$$() \{\} [] \langle \rangle \wedge \parallel \uparrow \downarrow \updownarrow \updownarrow \quad (25)$$

$$(\square \sqcup \{ \} | \square \diamond \wedge ||| \uparrow \uparrow || \downarrow \downarrow || \updownarrow \updownarrow) \quad (26)$$

$$() \square \{ \} \mid \square \diamond \wedge \parallel \uparrow \uparrow \downarrow \downarrow \updownarrow \updownarrow \quad (27)$$

$$\langle \rangle \{ \} \llbracket \rrbracket \langle \rangle \wedge \parallel \uparrow \uparrow \downarrow \downarrow \updownarrow \updownarrow \quad (28)$$

$$a \dots a \quad a \overset{\cdot}{:} a \quad a \cdots \cdots a \quad a \overset{\cdot}{:} \cdots a \quad (29)$$

$$\begin{array}{ccccccc} | & | & | & | & & | & | \end{array} \quad (30)$$

## 4.2 Standard mathematical structures

Three different ways to inline  $A_{i,j,k}^{2^n}$   $A_{i,j,k}^{2^n}$   $A_{i,j,k}^{2^n}$

Four different ways to displaymath.

$$\sum_{i=1}^{15} x_i^2 = x_1^2 + x_2^2 + x_3^2 + x_4^2 + x_5^2 + x_6^2 + x_7^2 + x_8^2 + x_9^2 + x_{10}^2 + x_{11}^2 + x_{12}^2 + x_{13}^2 + x_{14}^2 + x_{15}^2 \quad (100)$$

$$x_1^2 = x_2^2 = x_3^2 = x_4^2 = x_5^2 = x_6^2 = x_7^2 = x_8^2 = x_9^2 = x_{10}^2 = x_{11}^2 = x_{12}^2 = x_{13}^2 = x_{14}^2 = x_{15}^2$$

$$\prod_{i=1}^{15} x_i^2 = x_1^2 \ x_2^2 \ x_3^2 \ x_4^2 \ x_5^2 \ x_6^2 \ x_7^2 \ x_8^2 \ x_9^2 \ x_{10}^2 \ x_{11}^2 \ x_{12}^2 \ x_{13}^2 \ x_{14}^2 \ x_{15}^2$$

$$\prod_{i=1}^{15} x_i^2 = x_1^2 \cdot x_2^2 \cdot x_3^2 \cdot x_4^2 \cdot x_5^2 \cdot x_6^2 \cdot x_7^2 \cdot x_8^2 \cdot x_9^2 \cdot x_{10}^2 \cdot x_{11}^2 \cdot x_{12}^2 \cdot x_{13}^2 \cdot x_{14}^2 \cdot x_{15}^2$$

One of the forms is numbered equation 100.

$$\sqrt{\sum_{i=1}^{13} x_i^2} = \sqrt{x_1^2 + x_2^2 + x_3^2 + x_4^2 + x_5^2 + x_6^2 + x_7^2 + x_8^2 + x_9^2 + x_{10}^2 + x_{11}^2 + x_{12}^2 + x_{13}^2}$$

$$\sqrt{\sum_{i=1}^{13} x_i^2} = \left( x_1^2 + x_2^2 + x_3^2 + x_4^2 + x_5^2 + x_6^2 + x_7^2 + x_8^2 + x_9^2 + x_{10}^2 + x_{11}^2 + x_{12}^2 + x_{13}^2 \right)^{\frac{1}{2}}$$

Now for an equation array:

$$\begin{aligned} \sum_{i=1}^{13} 2^i &= 2^1 + 2^2 + 2^3 + 2^4 + 2^5 + 2^6 + 2^7 + 2^8 + 2^9 + 2^{10} + 2^{11} + 2^{12} + 2^{13} \\ &= 2 + 4 + 8 + 16 + 32 + 64 + 128 + 256 + 512 + 1024 + 2048 + 4096 + 8192 \\ &= 16382 \end{aligned} \quad (101)$$

$$\begin{aligned} \sum_{i=1}^{13} 2^i &= 2^1 + 2^2 + 2^3 + 2^4 + 2^5 + 2^6 + 2^7 + 2^8 + 2^9 + 2^{10} + 2^{11} + 2^{12} + 2^{13} \\ &= 2 + 4 + 8 + 16 + 32 + 64 + 128 + 256 + 512 + 1024 + 2048 + 4096 + 8192 \\ &= 16382 \quad \text{here is some text in the formula to fill up the line at 12pt font} \end{aligned}$$

$$\begin{bmatrix} a_{11} & a_{12} \\ a_{21} & a_{22} \end{bmatrix}$$

$$\begin{bmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{bmatrix}$$

$$\left|\begin{array}{cc}1&2\\3&4\end{array}\right| = (1\times 4)-(2\times 3)$$

$$= 4-6=-2$$

$$\sqrt{a+\sqrt{\frac{b+c+d}{e}}+f}$$

$$\overline{\underline{a}+\overline{b}+\underline{c}+\overline{d}+\overline{\overline{e}}}$$

$$\overbrace{a+b+c+d}^{=0}$$

text

$$\overset{a}{\longrightarrow}$$

$$\binom{a}{b}$$

$$\begin{smallmatrix}a\\b\end{smallmatrix}$$

$$a=b=c=d=e=f=g=h=i=j=k=l=m=n=o=p=q=r=s=t$$

$$a<b<c<d<e<f<g<h<i<j<k<l<m<n<o<p<q<r<s<t$$

$$a>b>c>d>e>f>g>h>i>j>k>l>m>n>o>p>q>r>s>t$$

$$a\leq b\leq c\leq d\leq e\leq f\leq g\leq h\leq i\leq j\leq k\leq l\leq m\leq n\leq o\leq p\leq q\leq r\leq s\leq t$$

$$a\geq b\geq c\geq d\geq e\geq f\geq g\geq h\geq i\geq j\geq k\geq l\geq m\geq n\geq o\geq p\geq q\geq r\geq s\geq t$$

$$a+b+c+d+e+f+g+h+i+j+k+l+m+n+o+p+q+r+s+t+u$$

$$a-b-c-d-e-f-g-h-i-j-k-l-m-n-o-p-q-r-s-t-u$$

$$a\times b\times c\times d\times e\times f\times g\times h\times i\times j\times k\times l\times m\times n\times o\times p\times q\times r\times s\times t\times u$$

$$a*b*c*d*e*f*g*h*i*j*k*l*m*n*o*p*q*r*s*t*u*v*w*x*y$$

$$a\cdot b\cdot c\cdot d\cdot e\cdot f\cdot g\cdot h\cdot i\cdot j\cdot k\cdot l\cdot m\cdot n\cdot o\cdot p\cdot q\cdot r\cdot s\cdot t\cdot u\cdot v\cdot w\cdot x\cdot y\cdot z\cdot a\cdot b\cdot c$$

$$a,b,c,d,e,f,g,h,i,j,k,l,m,n,o,p,q,r,s,t,u,v,w,x,y,z,a,b,c,d,e,f,g,h,i,j,k,l$$

$$a+\frac{1}{b+\frac{1}{c+\frac{1}{d+\frac{1}{e+\frac{1}{f+\frac{1}{g+\frac{1}{h}}}}}}}$$

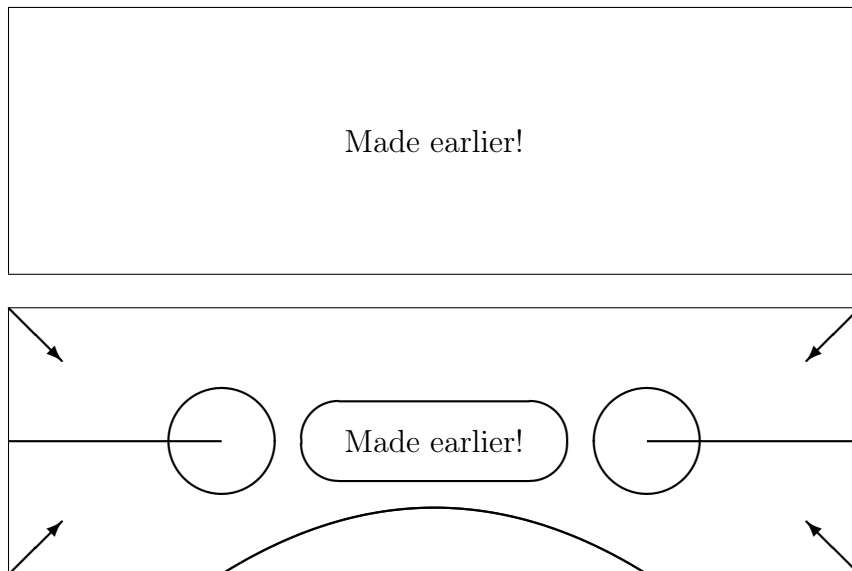
$$a+\frac{1}{b+\frac{1}{c+\frac{1}{d+\frac{1}{e+\frac{1}{f+\frac{1}{g+\frac{1}{h}}}}}}}$$

Testing new commands:

$$x_1x^2x_2$$

## 5 Standard graphics

This section looks only at graphics available without the graphics packages, that is, internal to vanilla  $\text{\LaTeX}$ . Kopka and Daly [1] explain that “Standard  $\text{\LaTeX}$  does actually contain the means to make primitive drawings on its own” and they consider only the facets of  $\text{\LaTeX}$  that are in standard  $\text{\LaTeX}$ , not those that require additional packages. This is what we test as a basic starting point in the vanilla stress test.



## References

- [1] Kopka, H. and Daly, P., *A Guide to  $\text{\LaTeX}$* . Pearson Education Ltd., 1999