目录

你好，world!

1 你好中国

中国在East Asia.

1.1 Hello Beijing

北京是capital of China.

1.1.1 Hello Dongcheng District

Tian'anmen Square is in the center of Beijing

Chairman Mao is in the center of 天安门广场。

1.2 Hello 山东

山东大学 is one of the best university in 山东。

2 math

Einstein 's $E = mc^2$.

$$E = mc^2.$$

$$E = mc^2. \tag{1}$$

$\sqrt{x}$, $\frac{1}{2}$.

$$\sqrt{x},$$

$$\frac{1}{2}.$$

$\sum_{i=1}^{n} i \quad \prod_{i=1}^{n} \sum_{i=1}^{n} i \quad \prod_{i=1}^{n}$

$$\lim_{x \to 0} x^2 \quad \int_a^b x^2 dx$$

$$\lim_{x \to 0} x^2 \quad \int_a^b x^2 dx$$

$$\left(\left(\left(\left((x) \right) \right) \right) \right)$$

$$\left[\left[\left[[x] \right] \right] \right]$$

$$\left\{ \left\{ \left\{ \{x\} \right\} \right\} \right\}$$

$$\left\langle \left\langle \left\langle \langle x \rangle \right\rangle \right\rangle \right\rangle$$

$$\left\| \left\| \|x\| \right\| \right\|$$

$$\left\| \left\| \left\| \|x\| \right\| \right\| \right\|$$

$$x_1, x_2, \ldots, x_n \quad 1, 2, \cdots, n \quad \vdots \quad \ddots$$

$$\begin{pmatrix} a & b \\ c & d \end{pmatrix} \quad \begin{bmatrix} a & b \\ c & d \end{bmatrix} \quad \begin{Bmatrix} a & b \\ c & d \end{Bmatrix} \quad \begin{vmatrix} a & b \\ c & d \end{vmatrix} \quad \begin{Vmatrix} a & b \\ c & d \end{Vmatrix}$$

Marry has a little matrix $\left(\begin{smallmatrix} a & b \\ c & d \end{smallmatrix} \right)$.

$$x = a + b + c +$$
$$d + e + f + g$$

$$x = a + b + c +$$

$$d + e + f + g \quad (2)$$
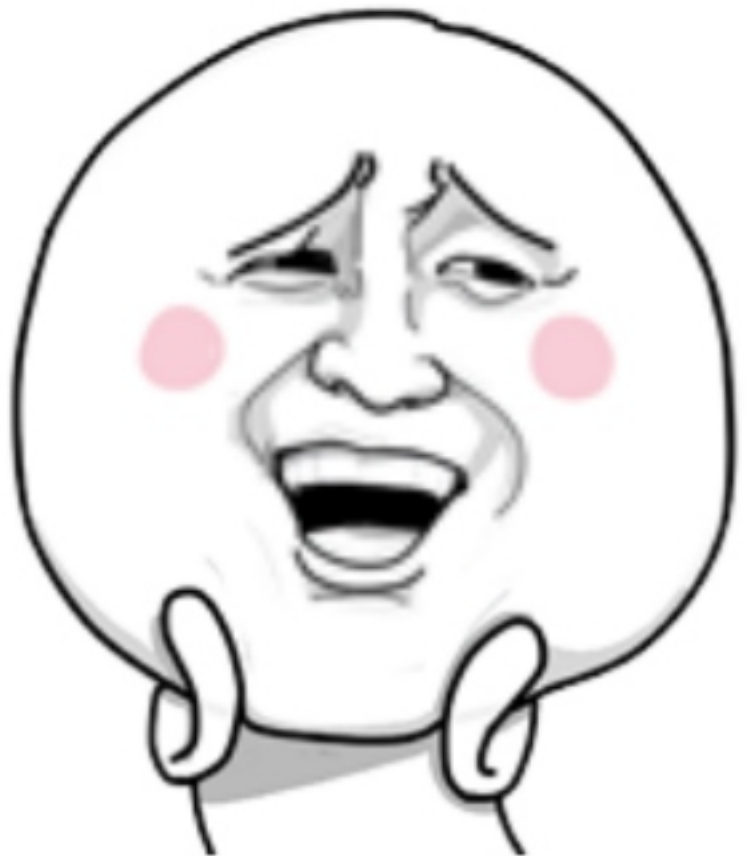
$$a = b + c + d \quad (3)$$
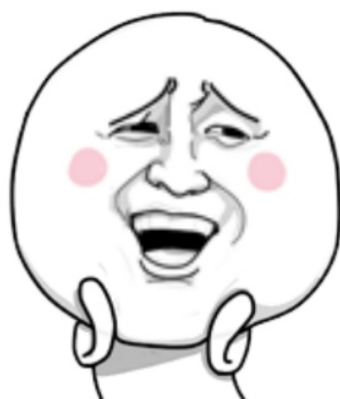$$x = y + z \quad (4)$$

$$a = b + c + d \quad (5)$$
$$x = y + z \quad (6)$$

$$y = \begin{cases} -x, & x \leq 0 \\ x, & x > 0 \end{cases}$$

3   graphics

如图1所示

4   table

操作系统	发行版	编辑器
Windows	MikTeX	TexMakerX
Unix/Linux	teTeX	Kile
Mac OS	MacTeX	TeXShop
通用	TeX Live	TeXworks

图 1: 有图有真相