# 你好, world!

## ZTL

## 2018年2月15日

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## 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  $E = mc^2$ .

$$E = mc^2$$
.

$$E = mc^2. (1)$$

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

$$\sqrt{x}$$
,

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

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

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

$$\lim_{x \to 0} x^{2} \int_{a}^{b} x^{2} dx$$

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

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

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

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

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

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

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

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

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

Marry has a little matrix  $\begin{pmatrix} a & b \\ c & d \end{pmatrix}$ .

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

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

$$d + e + f + g \quad (2)$$

$$a = b + c + d \tag{3}$$

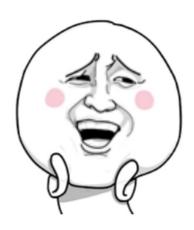
$$x = y + z \tag{4}$$

$$a = b + c + d \tag{5}$$

$$x = y + z \tag{6}$$

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

## 3 graphics



如图 1所示

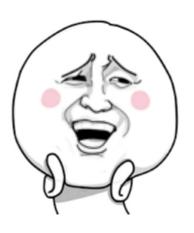


图 1: 有图有真相

### 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

```
int main() {
    printf("hello, world");
    return 0;
}

import sys
filename=sys.argv[0]
linenum=0
with open(filename, 'r',encoding='utf8') as f:
    for line in f:
        linenum +=1
        print(linenum, ":",line)
f.close()
input()
emmm
```