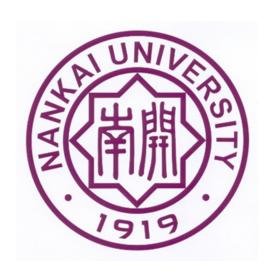
# 有到大學

# 计算机网络 课程实验报告

# TCP/IP 实验



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2077年1月1日

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# 1 一级标题

整理了在实验报告可能用到的任何元素,包括图表(及其编号),树状图,代码块,数学公式,高亮,样式内容块等。

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat.

#### 测试中文:

通过这次实验,我深刻体会到了同态加密技术的强大和实用性,特别是在保护数据隐私的同时执行复杂计算的能力。使用 *Microsoft SEAL* 库进行加密计算不仅加深了我对同态加密原理的理解,也提升了我的编程技能和解决实际问题的能力。

分点:

- 1. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.
- 2. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.
- Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.
- Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.
- test1

terms:

Fact If a term list has a lot of text, and maybe other inline content.

**Tip** To make it wide, simply insert a blank line between the items.

#### 点击跳转链接

这是一个被强调的内容

This is with blue

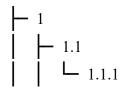
## 1.1 二级标题

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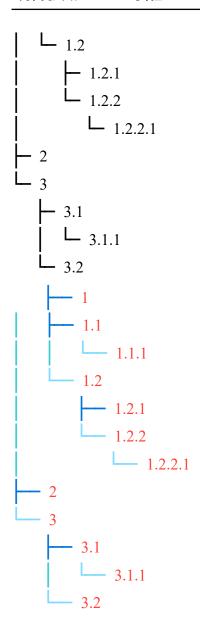


图 1.1.1: 南开大学校徽

树状图:



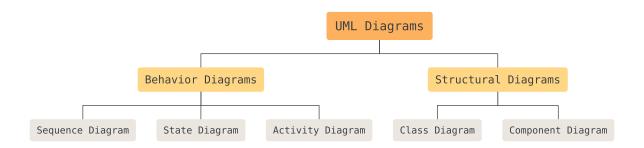
<sup>1</sup>测试脚注



# 1.2 测试 cheq

- Mercury
- Mars
- Jupiter
- Sun

# 1.3 测试 pintora



## 1.4 测试 tablex

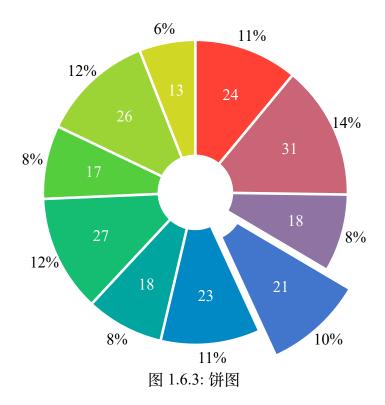
Username	Data		Saara
Osername -	Location	Height	Score
John	Second St.	180 cm	5
Wally	Third Av.	160 cm	10
Jason	Some St.	150 cm	15
Robert	123 Av.	190 cm	20
Other	Unknown St.	170 cm	25

表 1.4.2: 一个表格

# 1.5 测试 codly

```
1 pub fn main() {
                                                                             rust
       println!("Hello, world!");
3 }
   void MergeSort(int arr[], int left, int right) {
                                                                              срр
2
      if(left >= right) return;
     int mid = (left + right) >> 1;
     MergeSort(arr, left, mid);
     MergeSort(arr, mid + 1, right);
6
      int i = left, j = mid + 1, k = 0, temp[right - left + 1];
7
     while(i <= mid && j <= right) {</pre>
8
        if(arr[i] \leftarrow arr[j]) temp[k++] = arr[i++];
9
        else temp[k++] = arr[j++];
10
      }
     while(i <= mid) temp[k++] = arr[i++];</pre>
11
      while(j <= right) temp[k++] = arr[j++];</pre>
12
13
      for(int i = 0; i < k; i++) arr[left + i] = temp[i];</pre>
14 }
```

## 1.6 测试 cetz



# 1.7 测试 pinit

A simple highlighted text.

It is simple.

# 1.8 测试 colorbox

#### Lorem ipsum dolor sit amet.

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# 1.9 测试 showybox

 $\widehat{1}$ 

#### Red-ish showybox with separated sections!

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(2)

#### Clairaut's theorem

Let  $f:A\to\mathbb{R}$  with  $A\subset\mathbb{R}^n$  an open set such that its cross derivatives of any order exist and are continuous in A. Then for any point  $(a_1,a_2,...,a_n)\in A$  it is true that

$$\frac{\partial^n f}{\partial x_i...\partial x_j}(a_1,a_2,...,a_n) = \frac{\partial^n f}{\partial x_j...\partial x_i}(a_1,a_2,...,a_n) \tag{1.1} \label{eq:1.1}$$

This will be useful every

time you want to interchange partial derivatives in the future.

(3)

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4

#### Divergence theorem

Suppose V is a subset of  $\mathbb{R}^n$  which is compact and has a piecewise smooth boundary S (also indicated with  $\partial V = S$ ). If F is a continuously differentiable vector field defined on a neighborhood of V, then:

$$\iiint_{V} (\nabla \cdot \mathbf{F}) \, dV = \oiint_{S} (\mathbf{F} \cdot \hat{\mathbf{n}}) \, dS$$
 (1.2)

In the case of n=3, V represents a volumne in three-dimensional space, and  $\partial V=S$  its surface

**(5)** 

#### Parent container

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.

#### Child 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.

#### Child 2

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.

6

#### mytitle

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.

#### Child 1

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#### Child 2

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.

## Child 2

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#### Child 2

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#### Child 2

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#### Child 2

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7

#### mytitle

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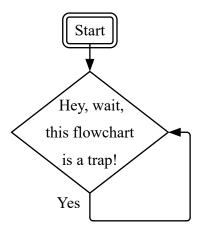
#### Lorem ipsum dolor.

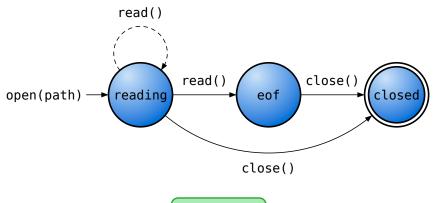
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.

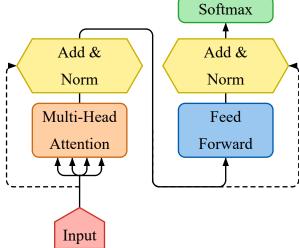
#### Lorem ipsum dolor.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.

# 1.10 测试 fletcher







# 1.11 测试 gentle

#### i Info

This is the info clue ...

## 这是一个测试标题

Check out this cool package

#### ? Question

This is the info clue ...

## 99 Quote

This is the info clue ...

## **Example**

This is the info clue ...

## **Abstract**

This is the info clue ...

#### **₹** Task

This is the info clue ...

#### × Error

This is the info clue ...

#### Warning

This is the info clue ...

## **✓** Success

This is the info clue ...

#### **Conclusion**

This is the info clue ...

#### **Memorize**

This is the info clue ...

We should run more tests!

# 1.12 测试 badgery

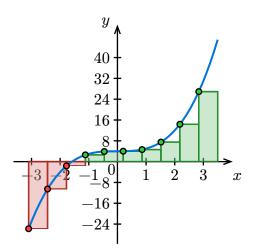
Gray badge Red badge Yellow badge

Green badge Blue badge Purple badge Click me

File \ New File...

Menu > Sub-menu > Sub-sub menu > Action

## 1.13 测试 riesketcher



## 1.14 测试 syntree

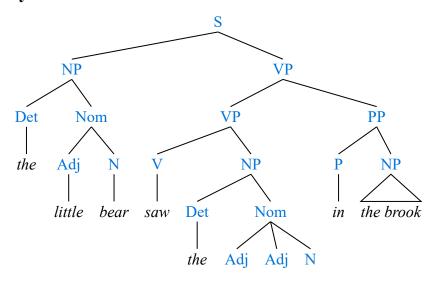
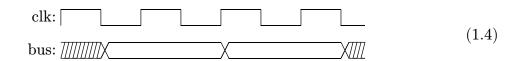


图 1.14.4: Example of a syntax tree.

## 1.15 测试 physica

$$\begin{split} A^T, \boldsymbol{\nabla} \times \boldsymbol{E} &= -\frac{\partial \boldsymbol{B}}{\partial t}, \quad \boldsymbol{\Lambda}^{\mu}_{\phantom{\mu}\nu} = \begin{pmatrix} 1 \\ \mathbb{R} \end{pmatrix}, \quad f(x,y) \, \mathrm{d}x \, \mathrm{d}y, \quad \mathrm{d}^3 \boldsymbol{x} \, \mathrm{d}y, \quad \Delta^2 x \wedge \Delta^2 y, \quad \frac{\mathrm{D}\varphi}{\mathrm{D}t} = \frac{\partial \varphi}{\partial t} + \boldsymbol{u} \boldsymbol{\nabla}\varphi \\ & H(f) = \begin{bmatrix} \frac{\partial^2 f}{\partial x^2} & \frac{\partial^2 f}{\partial x \partial y} \\ \frac{\partial^2 f}{\partial y \partial x} & \frac{\partial^2 f}{\partial y^2} \end{bmatrix}, \quad \boldsymbol{v}^a = \sum_{i=1}^n \alpha_i \hat{\boldsymbol{u}}^i, \quad \left\{ (x,y) \, \Big| \, \frac{\partial^3 f}{\partial x^2 \partial y} + \frac{\partial^3 f}{\partial x \partial y^2} < \varepsilon \right\} \\ & (1.3) \\ & -\frac{1}{c^2} \frac{\partial^2}{\partial t^2} \psi + \nabla^2 \psi = \frac{m^2 c^2}{\hbar^2} \psi, \quad |\boldsymbol{n}^{(1)}\rangle = \sum_{k \notin D} \frac{\left\langle k^{(0)} |\boldsymbol{V}| \boldsymbol{n}^{(0)} \right\rangle}{E_n^{(0)} - E_k^{(0)}} |\boldsymbol{k}^{(0)}\rangle, \quad \int_{\boldsymbol{V}} \mathrm{d}\boldsymbol{V} \left( \frac{\partial \mathcal{L}}{\partial \varphi} - \partial_{\mu} \left( \frac{\partial \mathcal{L}}{\partial (\partial_{\mu} \varphi)} \right) \right) = 0 \\ & \mathrm{d}^2 s = - \left( 1 - \frac{2GM}{r} \right) \mathrm{d}^2 t + \left( 1 - \frac{2GM}{r} \right)^{-1} \mathrm{d}^2 r + r^2 \, \mathrm{d}^2 \Omega \end{split}$$

\_\_\_\_\_\_



# 1.16 测试 mitex

$$f(x) = \int_{-\infty}^{\infty} \hat{f}(\xi) e^{2\pi i \xi x} d\xi$$
 (1.5)

# 1.17 测试 unify

$$(-1.32865 \pm 0.50273) \cdot 10^{-6}$$
 (1.6)

$$(1.3^{+1.2}_{-0.3}) \cdot 10^3 \text{ erg cm}^{-2} \text{ s}^{-1}$$
 (1.7)

$$1{,}123'8\cdot 10^{-2} - 3{,}086'8\cdot 10^{5} \tag{1.8}$$

$$(1 \text{ to } 2) \cdot 10^3 \frac{\text{m}}{\text{s}^2}$$
 (1.9)

# 1.18 测试 easytable

Header 1	Header 2	Header 3
How	I	want
a	drink,	alcoholic
of	course,	after
the	heavy	lectures
involving	quantum	mechanics.

表 1.18.5: 表格示例

Header 1	Header 2	Header 3
How	I	want
a	drink,	alcoholic
of	course,	after
the	heavy	lectures
involving	quantum	mechanics.

Header 1	Header 2	Header 3
How	I	want
a	drink,	alcoholic
of	course,	after
the	heavy	lectures
involving	quantum	mechanics.

图 1.18.6: 表格示例

14

## 1.19 测试 algo

```
FIB (n):

1 if n < 0:

2 | return null

3 if n = 0 or n = 1:

4 | return n

5

6 let x \leftarrow 0

7 let y \leftarrow 1

8 for i \leftarrow 2 to n - 1: ▷ so dynamic!

9 | let z \leftarrow x + y

10 | x \leftarrow y

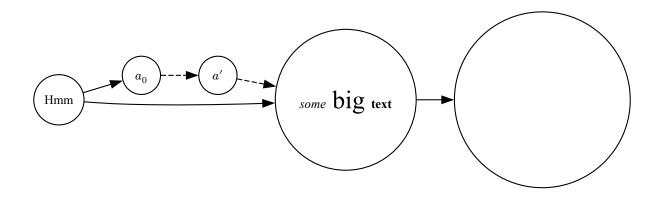
11 | y \leftarrow z

12

13 return x + y
```

```
FLOYD-WARSHALL(V, E, w):
 1 Let \operatorname{dist}[u,v] \leftarrow \infty for u,v in V
 2 For (u, v) in E:
          \mathrm{dist}[u,v] \leftarrow w(u,v)
                                                                                // edge weights
     For v in V:
          \operatorname{dist}[v,v] \leftarrow 0
                                                                                // base case
 6
     For k \leftarrow 1 to |V|:
          For i \leftarrow 1 to |V|:
 8
               For j \leftarrow 1 to |V|:
 9
                   // if new path is shorter, reduce distance
10
                   If dist[i, j] > dist[i, k] + dist[k, j]:
11
                        \operatorname{dist}[i,j] \leftarrow \operatorname{dist}[i,k] + \operatorname{dist}[k,j]
12
13
    Return dist
```

# 1.20 测试 diagraph



## 1.21 测试 xarrow

$$a \overset{\mathbb{Q}, 1+1^{4}}{\longleftarrow} b$$

$$c \overset{\text{very long boi}}{\leadsto} d$$

$$\frac{c}{a \overset{\text{NP} \sum^{*}}{\twoheadrightarrow} b \times 4}$$

$$(1.11)$$

测试参考文献:

文献 1 的内容[1]

文献 2 的内容[2]

# 参考文献

- [1] R. Impagliazzo, R. Paturi, and F. Zane, "Which problems have strongly exponential complexity?," *Journal of Computer and System Sciences*, vol. 63, no. 4, pp. 512–530, 2001.
- [2] S. Burckhardt *et al.*, "It's Alive! Continuous Feedback in UI Programming," *SIGPLAN Not.*, vol. 48, no. 6, pp. 95–104, Jun. 2013, doi: 10.1145/2499370.2462170.