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| 51 | 5102 | 6531 | 2-02-10-08 |  | Vb |

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Vb

Vb

Vb

Vb

HTML/CSS/JavaScript

JavaScript Ajax

XML

Vb

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|---|--|-----|------------|--------|
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| 1 |  |     | Li nux     | Li nux |
| 2 |  | Web | Web<br>Web | web    |
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Python

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12

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14

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C

C

C

Java PHP

TCP UDP

Packet Tracer

|     |     |         |        |  |               |
|-----|-----|---------|--------|--|---------------|
|     |     |         | VMWare |  | Window Server |
| Web | FTP | DNS     | E-mail |  | DHCP          |
|     |     | Windows | Linux  |  |               |

|          |          |      |  |          |              |
|----------|----------|------|--|----------|--------------|
|          |          |      |  | HTML     | CSS          |
|          |          |      |  | DI V+CSS |              |
| HTML+CSS |          |      |  |          |              |
|          |          |      |  |          | HTML         |
|          |          | CSS  |  | DI V+CSS |              |
|          | HTML+CSS |      |  | Web      |              |
|          |          |      |  |          |              |
|          |          | HTML |  |          |              |
|          |          |      |  |          | Subline Text |

VS Code

Firefox Chrome IE

Linux

Linux

Linux

Linux

Linux

Linux

Shell

Linux

Linux

Shell

Linux

2

Web

1+X

Web

Web

HTML5

CSS3

JavaScript

DOM BOM JQuery

Ajax

HTML5+CSS3+ JavaScript +JQuery

Web

HTML5

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HTML5

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Web

HTML5

CSS3

JavaScript

DOM BCM JQuery Ajax  
HTML5+CSS3+JavaScript+JQuery  
Sublime Text VS Code  
Firefox Chrome IE

OSI TCP/IP IP TCP UDP  
ARP ICMP IP

X.25

IP

1+X



IT

5G

Windows Server 2012

NAS

ISCSI

NAS

SAN

NAS

SAN

Linux

Linux

Linux

Samba

Samba

Samba

owasp top 10

owasp top 10

Web

PHP

PHP + MySQL

PHP

Web

PHP

PHP

PHP

MySQL

PHP

MySQL

PHP

PHP

Ajax PHP

PHP

PHP

3

RISC

DMA

CPU

CPU

Python

Python

Python

Python

Tkinter

Python

Python

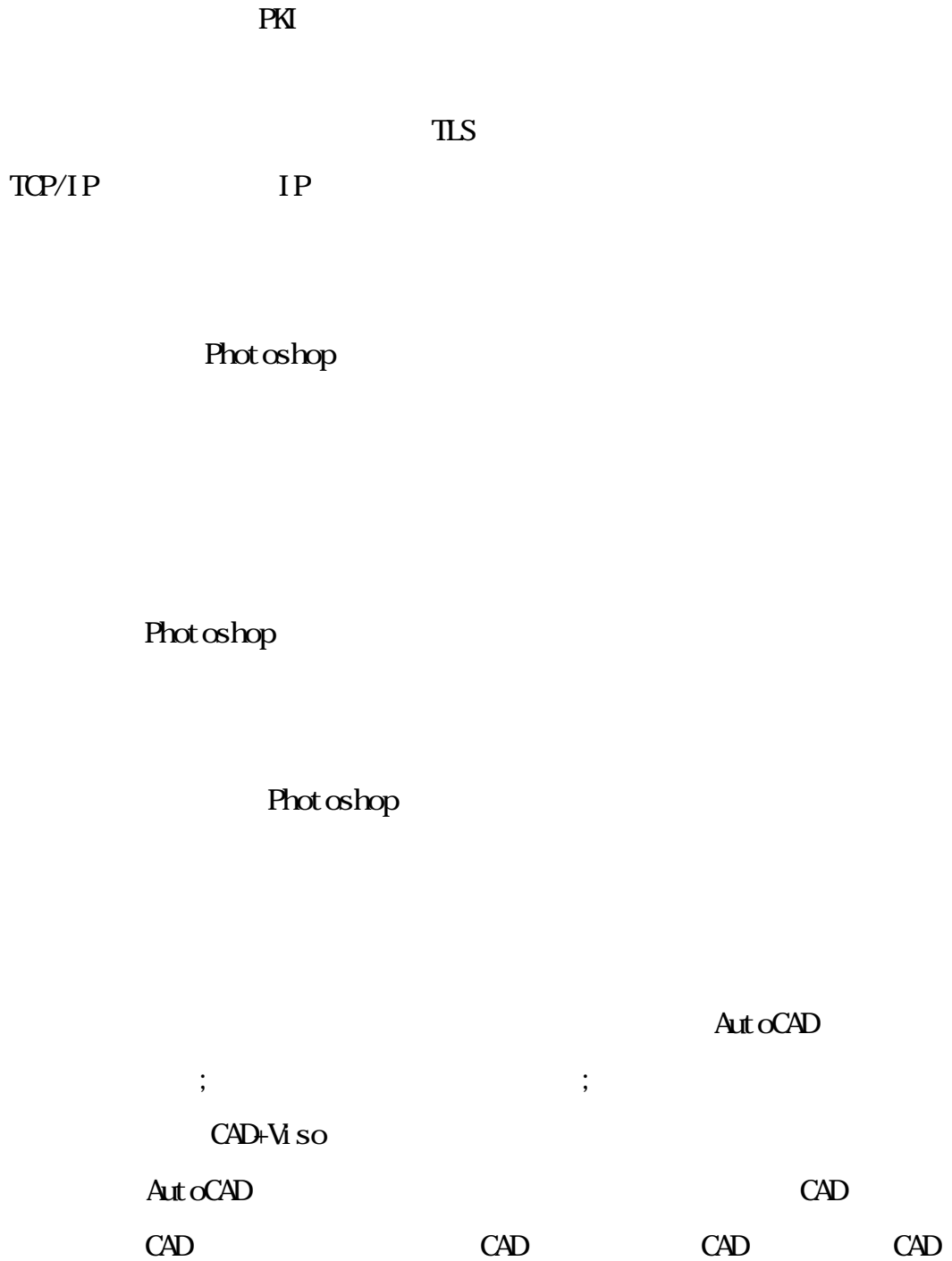
XML

Python

Python

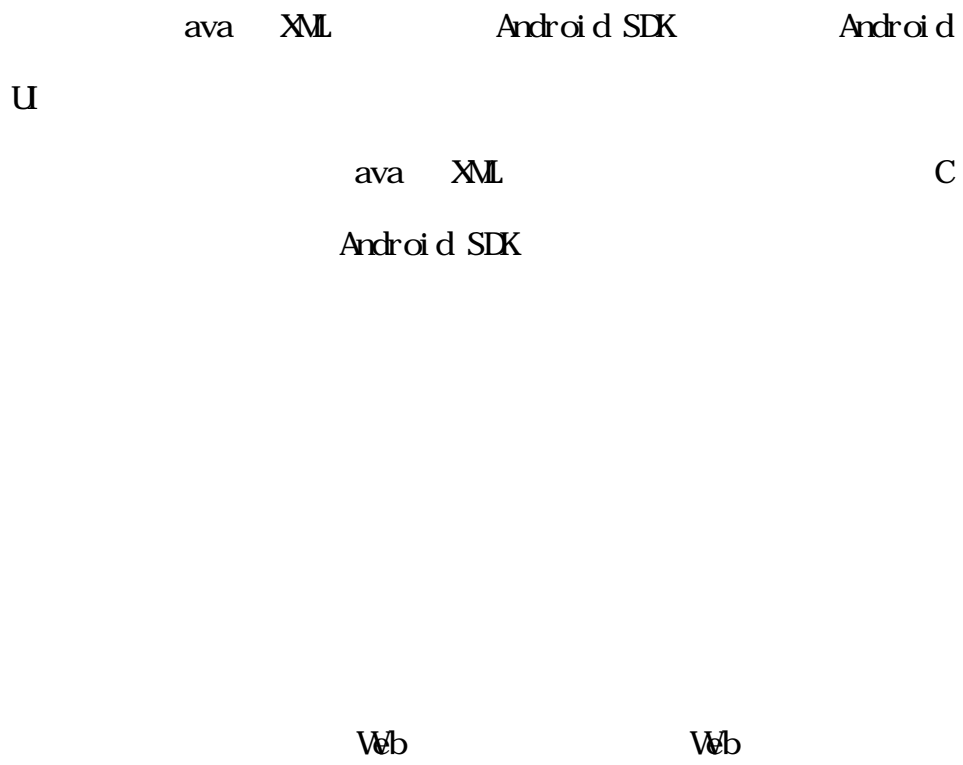
PKI

IP



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|  | 1 | 3 | 14 | 2  |    | 1 | 20 | 40  |
|  | 2 |   | 18 | 2  |    |   | 20 |     |
|  | 3 |   | 18 | 2  |    |   | 20 | 40  |
|  | 4 |   | 18 | 2  |    |   | 20 |     |
|  | 5 |   | 16 | 2  | 2  |   | 20 | 40  |
|  | 6 |   |    |    | 20 |   | 20 |     |
|  |   | 3 | 84 | 10 | 22 | 1 |    | 120 |

2600

139

50%

752

28.3% 41

1848

71.1% 98

308

13.4% 18

4

4

|  |   |      |      |     |      |     |
|--|---|------|------|-----|------|-----|
|  |   |      | %    |     | %    |     |
|  |   | 752  | 28.9 | 41  | 29.4 | 1/4 |
|  |   | 1848 | 71.1 | 98  | 70.6 |     |
|  |   | 2600 | 100  | 139 | 100  |     |
|  |   | 2292 | 88.2 | 121 | 87.1 |     |
|  |   | 308  | 13.4 | 18  | 12.9 | 10% |
|  |   | 1602 |      |     |      | 50% |
|  | % | 61.6 |      |     |      |     |

5





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|---|-----------|-------|----|-----|-----|-----|-------|-----|-----|-------|---|-------|
| 4 | 01012060B | Linux | 6  | 108 | 54  | 54  | 6/108 |     |     |       |   |       |
| 5 | 01011020B |       | 6  | 108 | 54  | 54  | 6/108 |     |     |       |   |       |
| ) |           |       | 26 | 456 | 206 | 250 | 240   | 108 | 108 | 0     | 0 | 0     |
|   |           |       | 26 | 456 | 206 | 250 | 240   | 108 | 108 | 0     | 0 | 0     |
| 1 | 01011070B | Web   | 6  | 108 | 54  | 54  | 6/108 |     |     |       |   | 1+X * |
| 2 | 01011140B |       | 4  | 72  | 36  | 36  | 4/72  |     |     |       |   | *     |
| 3 | 01011160B |       | 6  | 108 | 54  | 54  | 6/108 |     |     |       |   | *     |
| 4 | 01011130B |       | 4  | 64  | 32  | 32  |       |     |     | 4/64  |   | *     |
| 5 | 01012050B | Linux | 6  | 108 | 54  | 54  | 6/108 |     |     |       |   | *     |
| 6 | 01011280B |       | 6  | 108 | 6   | 102 |       |     |     | 6/108 |   |       |

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VB “ 1+X ”

18

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