



机械工业出版社

China Machine Press

CIP

20098

ISBN 978-7-111-27482-7

.U239.5 F301.24

CIP 2009 109119

22 100037

2009 8 1 v 1

170__w242__v 8.75

ISBN 978-7-111-27482-7

38.00

010 68326294

010 88379007



”

“

2001

1

4

4

17

“

”

“

”

“

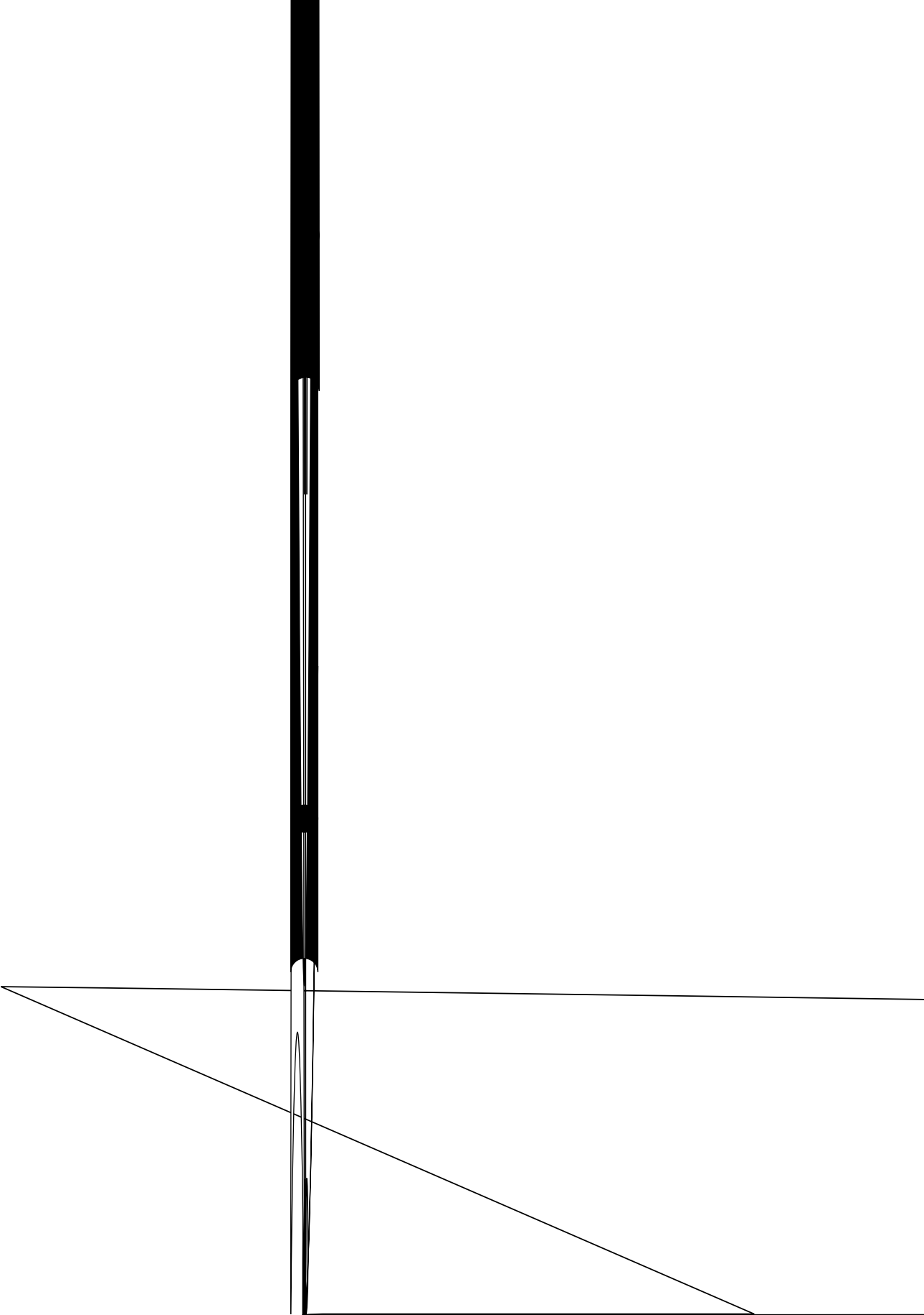
”

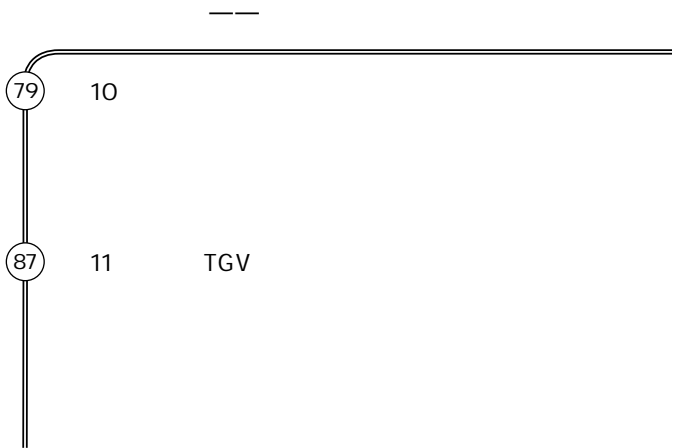
CBD



目录
Contents

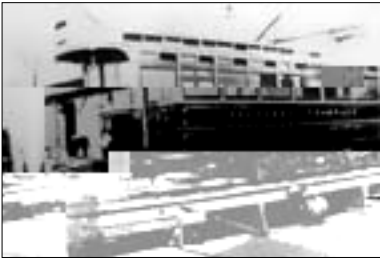
| | | |
|----|---|-----|
| 2 | 1 | --- |
| 14 | 2 | --- |
| | | “ ” |
| 32 | 3 | |
| 39 | 4 | |





14

15





1



1.1

100

7000

1863

140

100

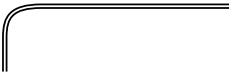
7000

30

z







? aeUai ? W'ch





1.2 2015

2500

1965 1 1969 10 1971

1

20 60
23.6 17 1969 10 1
51







1997

3

1

2005

2015

2400

7000

2008

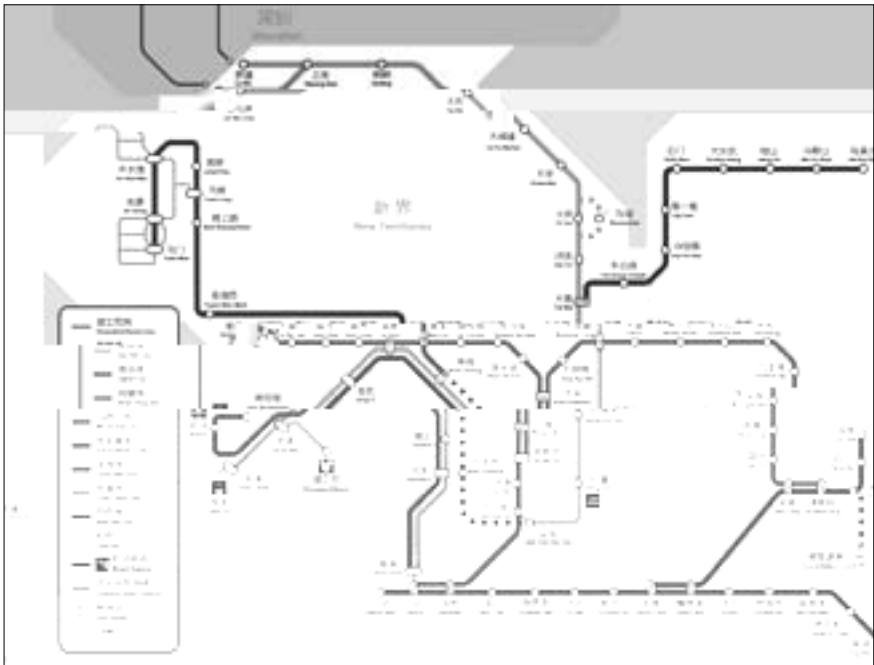
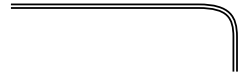
1000

1.3

1.3.1

20 50

70







1.3.4 3/4

500

6

87.7

400

300

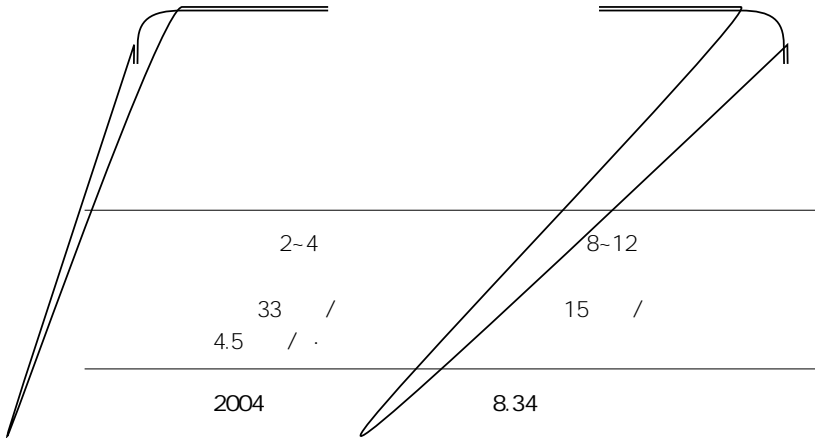
500

2004

8.34

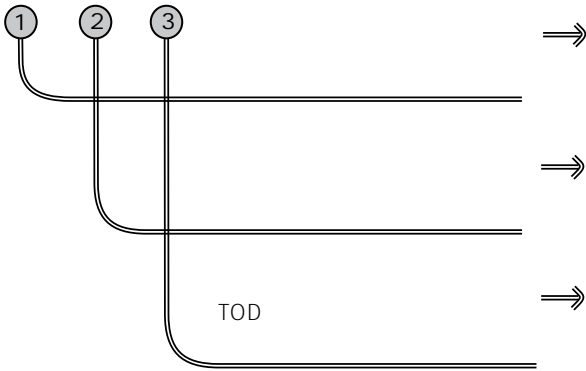
24.8%

59.6%





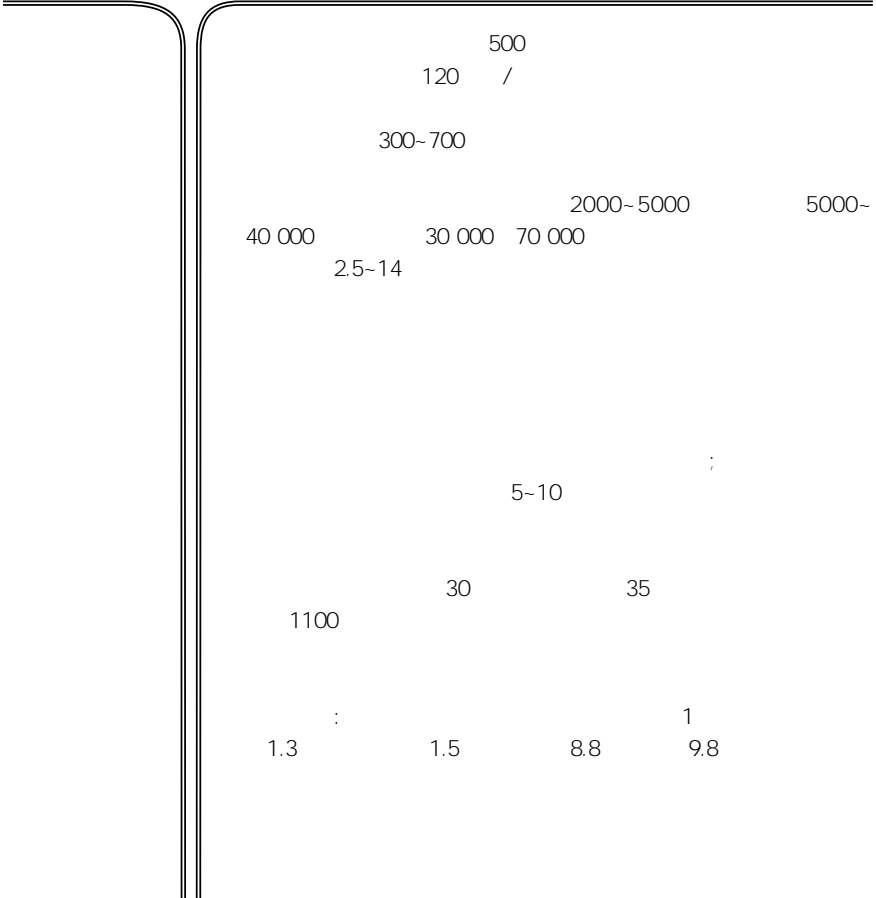
2



2.1

UIC 200
250 20 “ ”
200 1964

“ ” 200





ICT

XVWbWUg_g`affa`

| | | | | | |
|------|---|---|-----|------|------|
| | “ | ” | | | |
| | | | | | 2008 |
| 2012 | | | | 350 | 21 |
| 7 | | | 5 | 2010 | |
| 175 | | | 450 | / | |
| 200 | / | | | | |

2.2 “ “ “ “



SZ[] a` eW 1964

1975 1987 1998 4 5

2000 56

Pađe La` Va` 1995

33% 70%

40% 30% 27%

#+(&

#+*# F9H

\$" +"





“ ”

& % F9H

') & ž* !

F9H #++" ' '# ž% !

F9H \$" *"

F9H

%" "

\$" "



\$" " * (

F9H

%\$"

\$ \$"

&



F9H

F9H

F9H

\$' "

%

(" " &+

F9H

F9H

F9H

#) \$

%+

#* F9H

#* "

&z(

2.3

2008

3

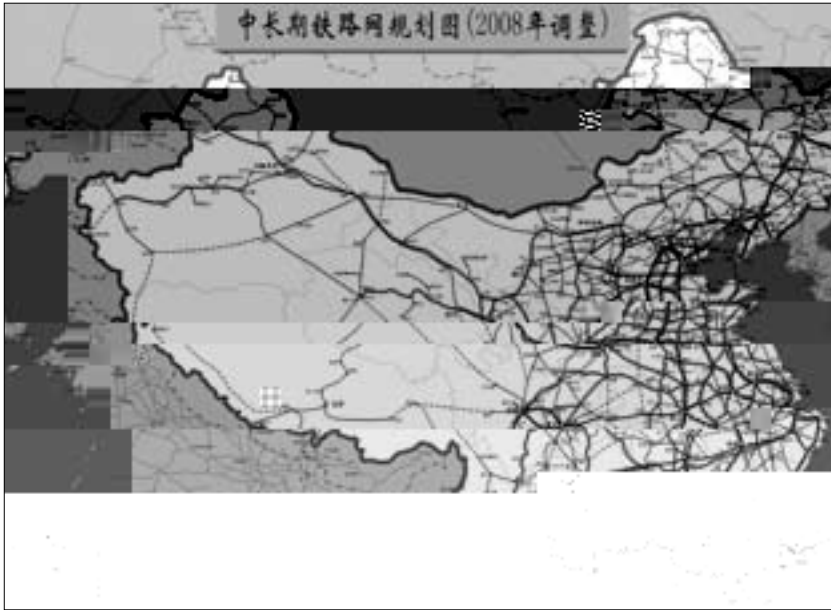
3.5

“ ”

12

350

3p5



250

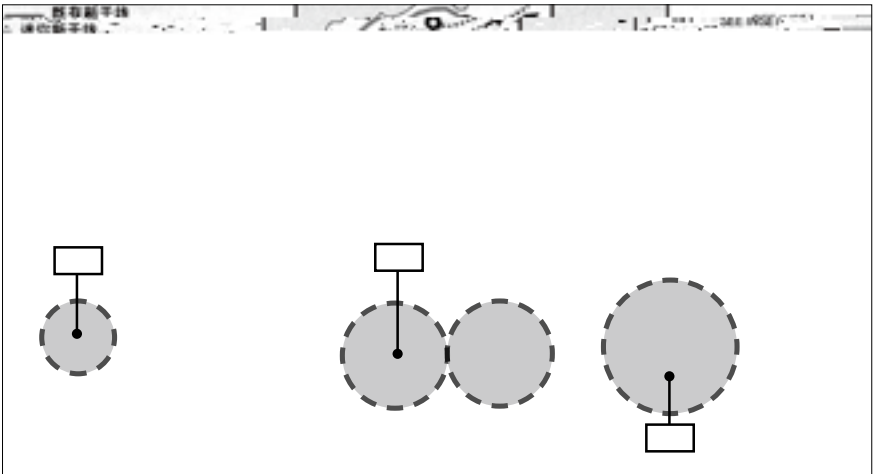


“ 1 1 2”

2.4 “ 2 ”

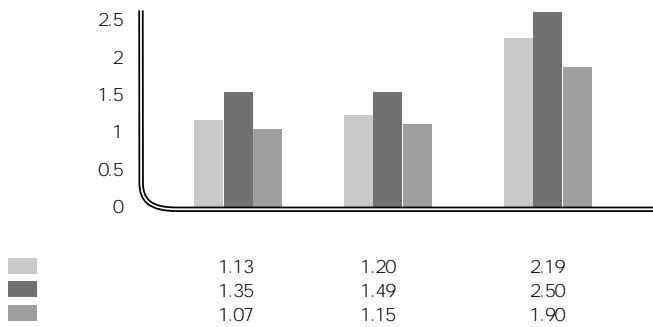
2.4.1

500p600 2
550
500 2 Vak dMgd





“ N “ ” Ì U Ì U 2



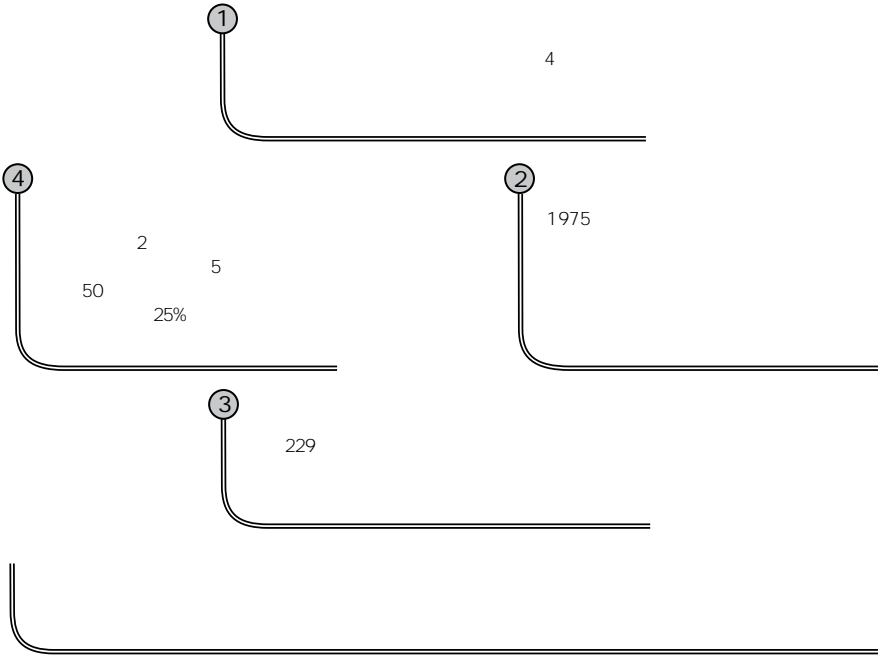


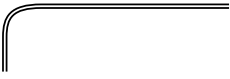
2.4.2

“ ” “ ”

2

1





% "

\$&

#+



Ta] ka- NaYaka- Oea] a BdfUZW

1991

22% H[dfa 1984

16%p34%

TGV

VWVa_ W

3

35%

a



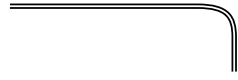
2008

100

450

0.31

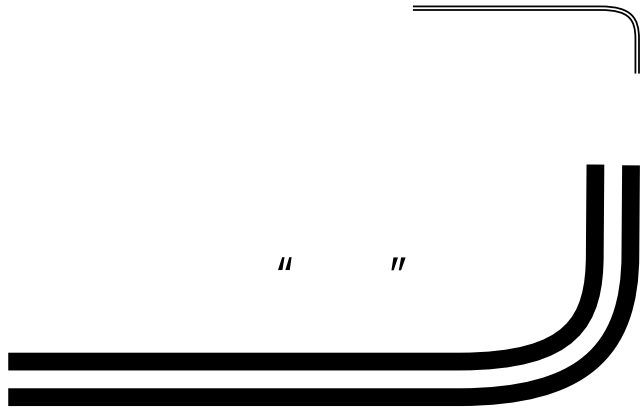
2.4.4

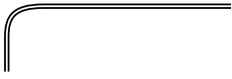


” 10

“







1.

2.

10% 15%



3.

4.



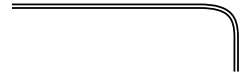
3

3.1

Na` ba Paq

NK





8

16





5

3.2

8

30

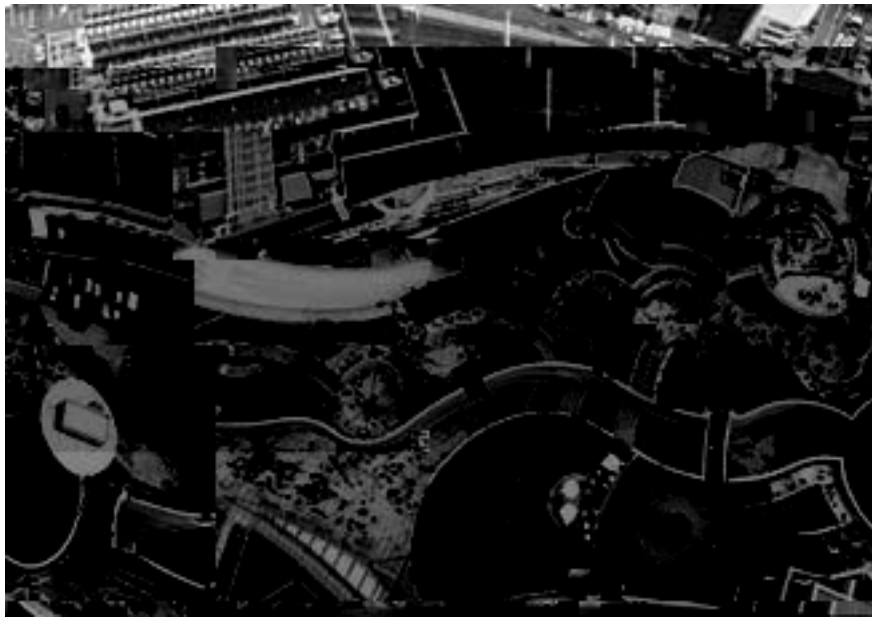
Mad

15

“ ” “ 8 ”

“ ”

8





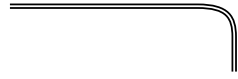
1

3.3

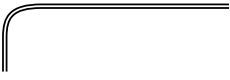




30



4



4.1

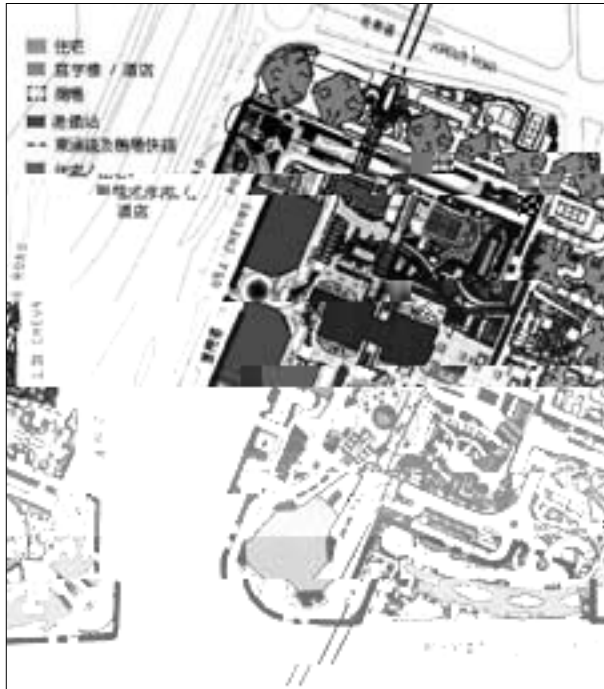
4.1.1





200

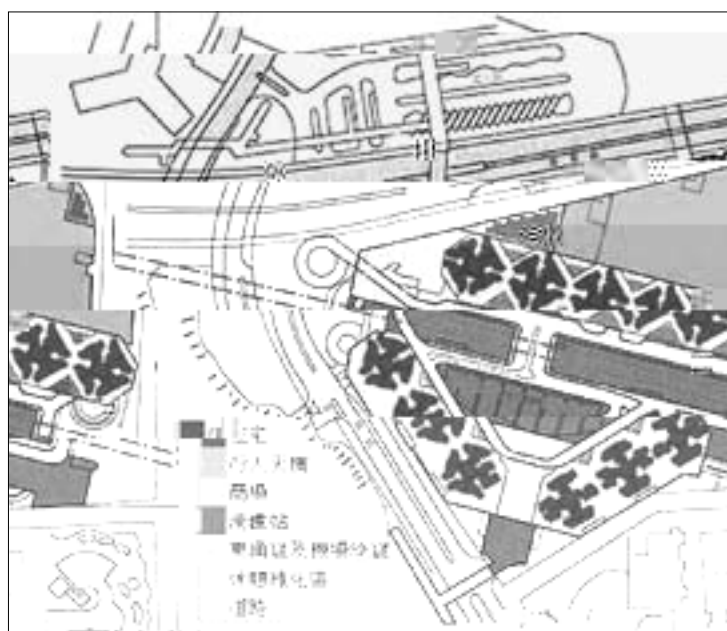
200p500



2.

1998

50298





100

84



93% 3.24 253 765
7%

4.1.3

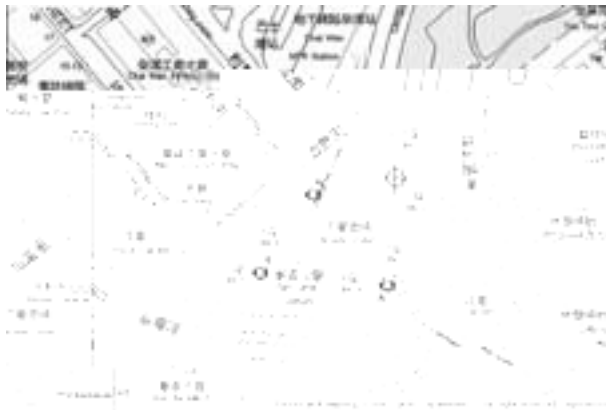
1988 2p3 1969
1991 20

1.

1

6

3



4

2

NW JaWSZabbj YAdLäWW

4 85 024



1000

35

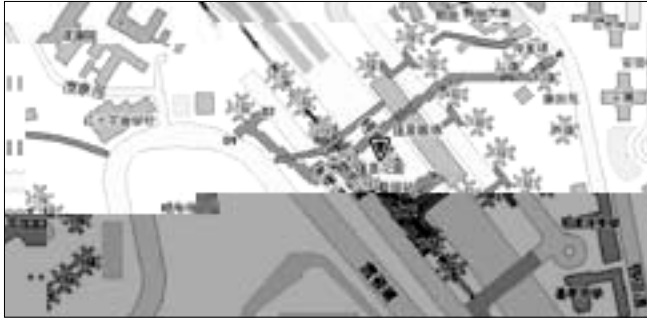


2.

20

“ ”

10

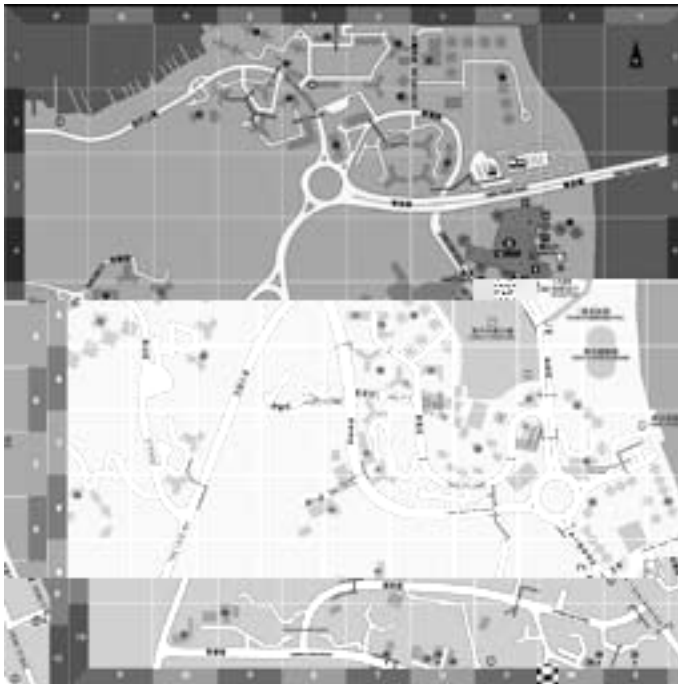






12

“ P”





4.1.4

“ ”



4

4.2





1

60

4.2.1

2008

CBD 2 1 “ ”
“ ” “ ”

4.2.2





4.2.3

60

CBD

2008

B

1.8

CBD

1.

141

136



2.

50p480

CBD



5

5.1 Nagahori

5.1.1 Nagahori

JR

7

4

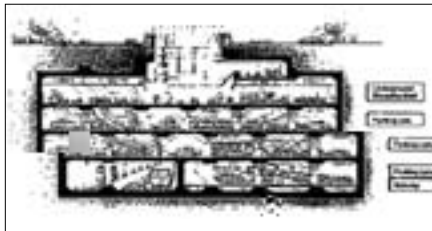
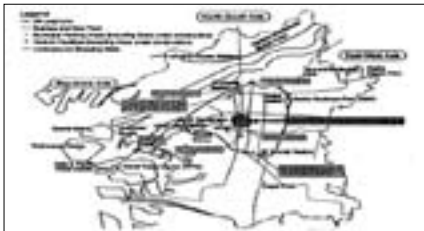
5

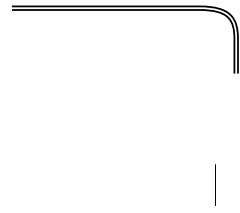
1992 10

1997 5

827

81 800





5.1.2

5

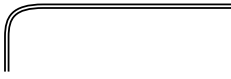
1030

5.1.3

Nagahori

Nagahori

860



730

9500

Nagahori

100



5.1.4

NaYaq

Nagahori

NaYaq

5.2

5.2.1



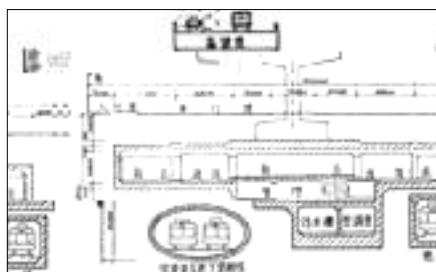
6

1000

50

6

15 440



5.2.2

300

310

5.2.3



1000



5.3 Azalea

5.3.1 Azalea

Kawasaki stn. JR Kawasaki stn. Keiryu
5.67

5.3.2

AlaW 100





240

Whity

150



6.3.2

Whity

300

5

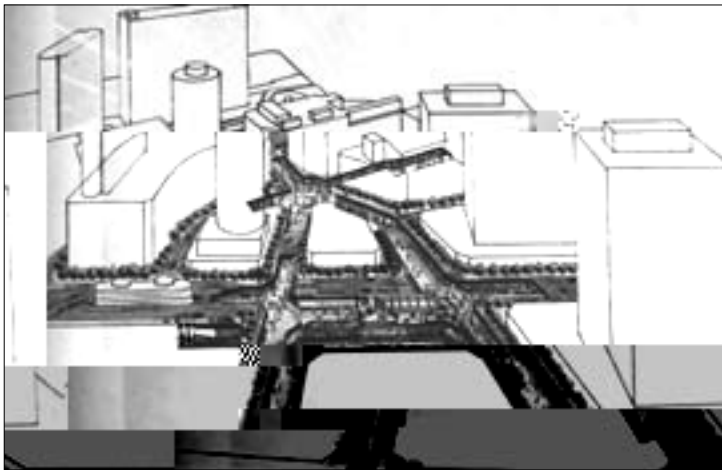
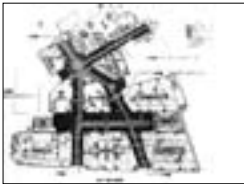
38

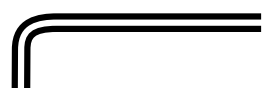
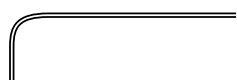
3

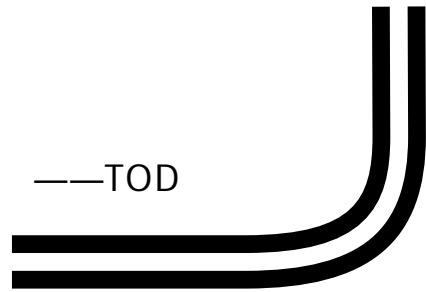
20p30

9 2

4

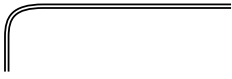






TOD

TOD



7

TOD

7.1 TOD

“ ”

“ Ta` ef`OqWWDWAb_WF”

TOD

v PWdCaZabW TOD

7.2 TOD

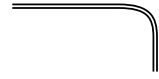
“ ”

TOD

10

TOD

TOD



7.3 TOD 3D



8

TOD

8.1

TOD

TOD

80%

1000

55%

70%

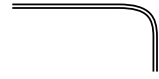
50%

70%

8.2

TOD

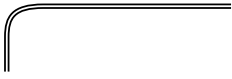
8.3



TOD

“ ”

30



9 TOD

9.1

TOD

TOD

TOD

1

1

9.2



1

1

1

9.3

30

1

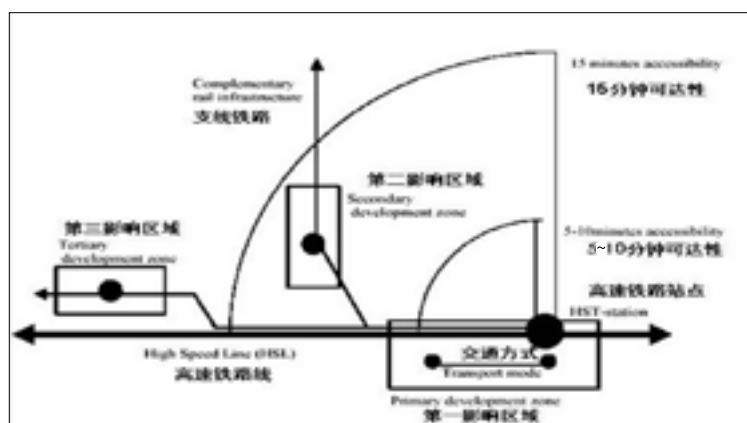
9.4

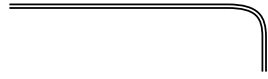
TOD



“ ”







10

10.1 21

10.1.1

21

21

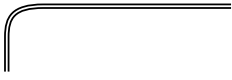


10.1.2

| | | | | |
|------|-----|-----|------|-----|
| 21 | | | | |
| | 186 | | 11 | |
| | | 87 | | 46 |
| 2003 | | 5 | | 980 |
| | 21 | | | |
| | | | 2003 | |
| 1000 | | 350 | | |



图尔



10.2

10.2.1

'S



12

O_ [ka

JR

TaVa B[aY[

M]gda

10.2.2

| | ha | |
|---|------|-------|
| | 12.3 | 25.9 |
| | 0.5 | 1.1 |
| | 1.7 | 3.6 |
| | 0.1 | 0.1 |
| | 14.6 | 30.7 |
| v | 32.3 | 68.2 |
| | 0.2 | 0.4 |
| | 0.3 | 0.7 |
| | 32.8 | 69.3 |
| | 47.4 | 100.0 |



47.4

5.7

1200 /

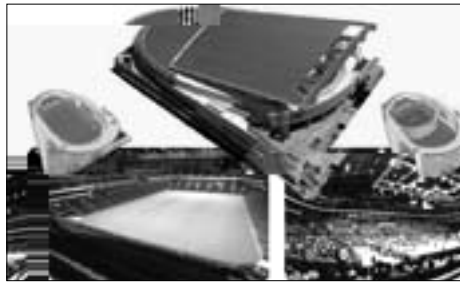


2000

v

290

30

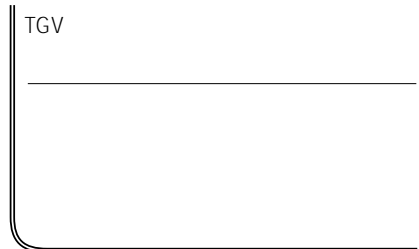
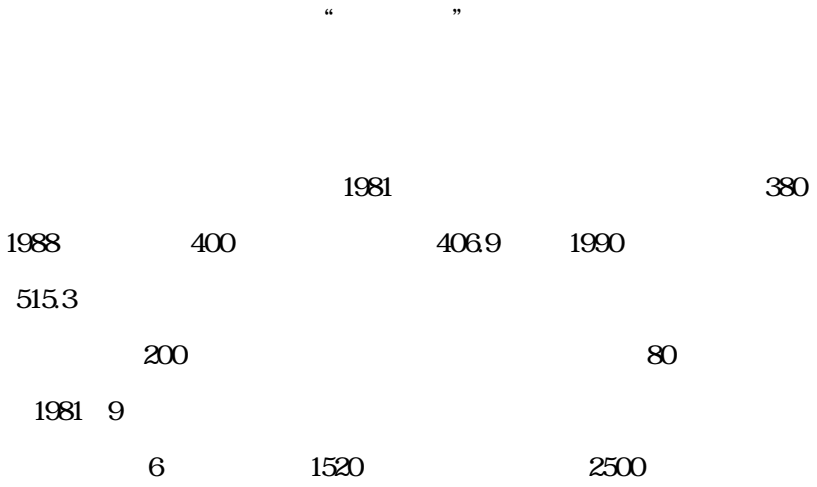




\$" "(



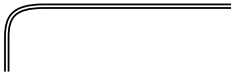
11 TGV





Egda 1988





2.

3.

4.

5.

11.1.3

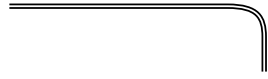
1.

“ ”

“ ”

“ ”

()



“ ”

()

2.

“ ”

11.1.4

“ ” 2001 “ ”

6500

1400

100





2.

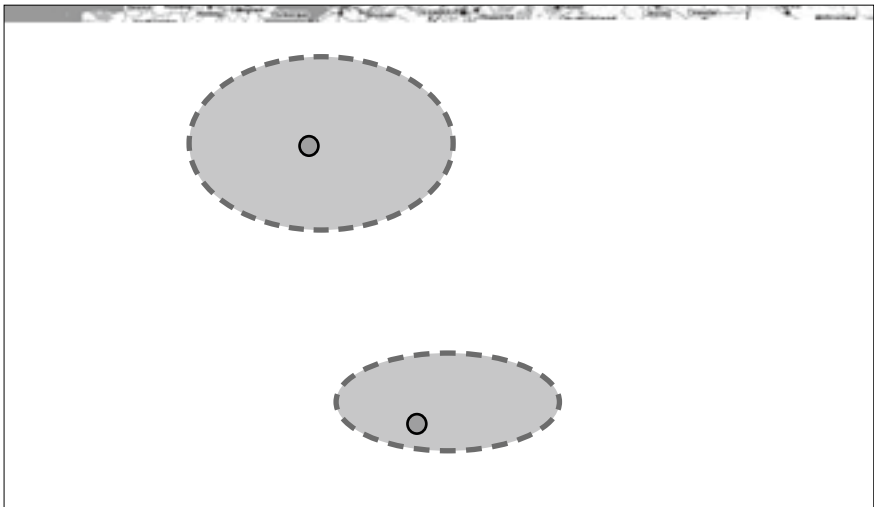
3.

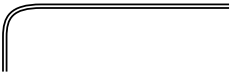
4.

2

7%

14%



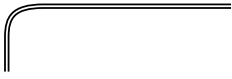




1863 1 10

146

TOD

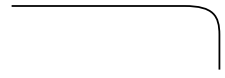


12

TJD



12.1





12.2

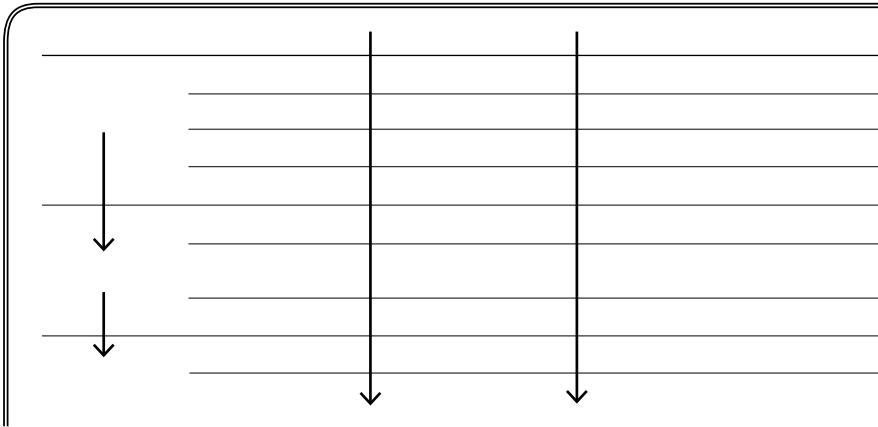
| | | | | | | |
|-------|----|------|-----------|----|-------|----|
| 1991 | | | 2000 | 10 | 5 | |
| | | | 1600 | | | 60 |
| | 4 | | 76% | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | 20 | 1999 | | | | |
| 321.9 | | | 1. | 20 | | |
| | | | 2. | | 50% | |
| | | | 3. | | 50% | |
| | | | 2002-2005 | | 17.29 | |
| | | | | | | |
| | | | | | | |



12.3

12.3.1

1.



2.

4

60%

12.3.2

| | | |
|----|-----|----|
| 1. | | 1. |
| 2. | | 2. |
| 3. | | 3. |
| 4. | | 4. |
| | | 5. |
| 1. | | 1. |
| 2. | | 2. |
| 3. | " " | |
| 4. | | |
| 1. | | 1. |
| 2. | | 2. |
| 3. | | 3. |

* \$\$

#"

1980-1991

3

| | | | | |
|-----------|-----------|---------|-----|-----|
| 778 130 | 194 979 | | 178 | |
| | | 3 079 | | |
| 358 592 | 76 866 | | 227 | |
| 224 817 | | | | |
| | 561 569 | 412 369 | 124 | 270 |
| | 334 007 | 211 104 | 103 | 188 |
| 286 699 | | | | 25 |
| | | 1 141 | 2 | |
| | 167 359 | 111 763 | 59 | |
| | 287 851 | 195 605 | 161 | 415 |
| 1 648 238 | 1 622 631 | 935 061 | 854 | 898 |

2.

3.

| | | | |
|----|-------|----|---------|
| | 3.24 | 9 | |
| | 5.55 | 4 | 103 130 |
| | | 2 | |
| | 1.8 | 6 | |
| 86 | 32.68 | 50 | |
| | 43.27 | | 103 130 |

12.5

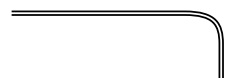


5

18

139 300

,



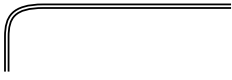


13

TOD

13.1

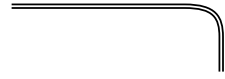
20 60



13.2

(5) 3

13.3



13.5

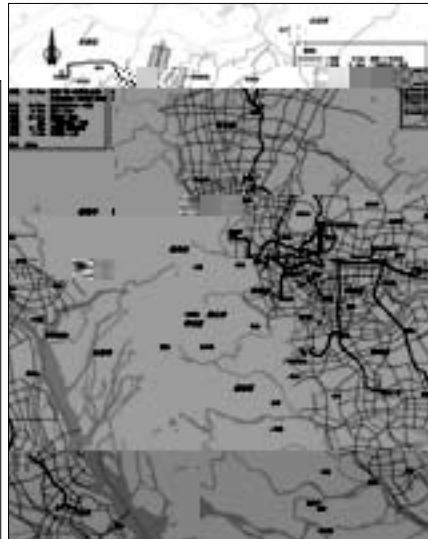


14



14.1

| | | | |
|------|------------|---------|-------------|
| 2008 | | 1 2 3 4 | |
| 1 | 18,497 | 16 | 122,616 |
| | 1997 6 28 | 5 | 1999 6 28 1 |
| 2 | 23,265 | 20 | 119,59 |
| | 2002 12 29 | | 2003 |
| 6 | | | |





| | | | | |
|-------|-------|------------|--------|------------|
| 3 | 36.33 | 18 | 159.05 | 2005 |
| 12 26 | 3 | 2006 12 30 | | |
| 4 | 39.81 | 15 | | 2005 12 26 |
| | | | | 2006 12 30 |
| | | | | 2007 6 28 |



| | 1994~2000 | 2000~2004 | 2005~2010 |
|--|-----------|-----------|-----------|
| | 1 | 27 | 1 |

14.2.1

1.

1

1992

1

27

1

348

“ ”

200



27 32
200
122.616

1



2.

27 3 7
2
2004 3 4
38 19%

3. —

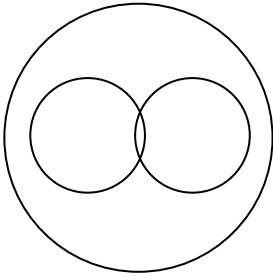
22

1



4.

1994



1.
2.

5.

14.2.2

1.

2

70%

2

3

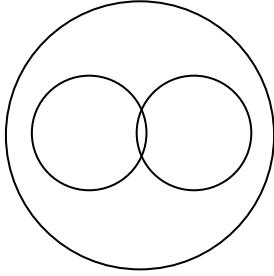
4

5

13409



4.



1.
2.
1.
2.

5.

14.2.3

1.

2000

2004

“ ”

3 4 5

2005p010

100



2.

“ ”

1





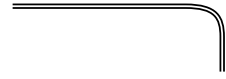
3.

Ê

f

."

æ





15



15.1

2008 1 2 3 4 5 6 8 9 8

7 10 11 3 2008

94 11 306.5

2008 12 31 430.7 2006

180 243

70%



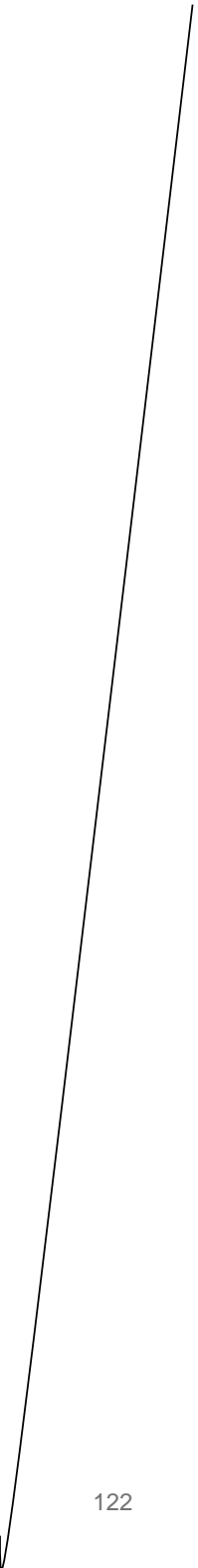
2010

13

510

310







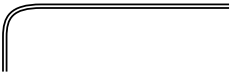
3.

—

"

"





16

16.1

TJD



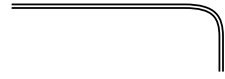
2.

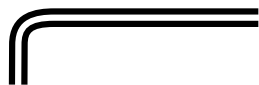
3.



16.3.2

21





1 v . M . 4 2002
2



- 25 CWfMa RabWf Ra[^h fch^h efa^h VVWfWb_ Wf J . Jagd a^h aXZWA_ WUa^h P'a^h ` [Y 1994 60 1
AcaUafja^h 1.
- 26 DagYaeR. Ca_ bja^h Tza_ aeF Lad [^h JaZ^h W. SUZg_ a^h d^h R[UZad/P Wa^heXW L[YZf Ra[^hTd^h efa^hFfgdW
Obbadig^h [f[Wa^h VCZa^h YW
- 27 Fad_ a^h R DWf^h YWfR. TZWwa^hay[La^hchaV_ WfUf^h la^h WaXaMaeeUZgeWf^h USA egbgda^h ZIZI ak J .
Ca^h eWfrafja^h B[a^hayk_ 2000 14 36-46
- 28 GdWackL. Tza_ bea^h Ta_ MafaXUda^h Ra[^h [^h 2lefCWfigkA_ WUa^h
- 29 LUCA B TE'aS C[f[Wa^h da[^he M La^h Va^h E & FNSba^h 1998
- 30 K[^h J[^h . M[^h YZZa^h Y DWU[^h [^h YTd^h efa^h eL_ baUfa^h SWg^hCa_ WUa^hLa^h VVa^hgW 2005
- 31 Hga^h YW TZWfWf^h eaf^h ebadafja^h [^h XhefgUfgdVa^h ` Vack bcbWfK Va^hgW a dM[W aXZW[fWf^hgdWJ .
I^h efa^hfgWaxgda^h a^h VdM[a^h a^h VVWfWb_ Wf 1994.
- 32 KWfU L. A RW[W aXN[^h WUMTA- Aee[^hWJa[^h f DWfWb_ WfPd^hWf M . WaeZ[^h Yfa^h : Uda^h Mae
fch^h ebadafja^h AV_ [^h fch[^hfa^h 1994.
- 33 K^h aab GWfJ. CZWYd D[^h Ya^h VLW[eD. Hab[^h [^h e 2001. Da b'a^h e_ affWf TZWfWf^h eaf^h XIZf da[^h b'a^h ea^h
a^h Vn^hgW[^h efa[^h adW J . Jagd a^h aXp'a^h ` [YEVglafja^h a^h VRWadLZ 21 1 32-39
- 34 PATRICK SM Td^h ebadafja^h Wa^h a_ [U fZacka^h VbchUfUWa UeWf^hgakabbdaUZ M B'aUj i W Pgb[^heZ[^h Y
2001.
- 35 Pd^hWfDagYaeR. Td^h efa^h XigeWDMWfWb_ Wf: A Sk^h fZw[^h eaf^h RWadLZ a^h VEj bWfWUWtd^h efa^h CaabWf[^hhW
RWadLZ PchYch_ RWadLZ 20 M . WaeZ[^h Yfa^h DC: Td^h ebadafja^h RWadLZ Baad/ 1998
- 36 ROBERT C TZWfch^h efa^h Wchba[^h e a Yaba^h [^h cglck M Ie'a^h VPd^h 1998
- 37 Td^h ebadafja^h dWadLZ baad^h afa^h a^h dWadLZ Lag^h U^h A ha^hgafja^h aXZRWafja^h eZ[^h beBWf WWTd^h efa^h V
Uda^h Fad_ J . RWadLZ RWg^hfeD[YWf Jg^h W1995