# 北京郵電大學

# 实验报告



题目:作业1: 正则表达式的应用

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# 作业1: 正则表达式应用

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#### 作业1: 正则表达式应用

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# 一、实验题目

从因特网上搜索相关Web网页,处理网页html数据,从中提取出当前时间点北京各监测站的PM2.5浓度,输出格式如下。要求:写出各个处理步骤,并给出解释。

```
2020-03-09 13:00:00,海淀区万柳,73 2020-03-09 13:00:00,昌平镇,67 2020-03-09 13:00:00,奥体中心,66 2020-03-09 13:00:00,海淀区万柳,73 2020-03-09 13:00:00,具平镇,73 2020-03-09 13:00:00,奥体中心,75
```

# 二、实验目的

掌握linux环境下的文本处理命令,熟悉正则表达式的使用方式。

# 三、实验步骤

# 3.1 搜索Web

http://pm25.in/beijing

得到2021-03-27 12: 00的PM2.5网页数据



## 3.2 获取html源数据

wget http://pm25.in/beijing

得到文件名为 beijing 的html文件

# 3.3 观察html数据

观察时间:

```
marginRight: 130,
    marginBottom: 60
},
title: {
    text: "北京 被近24小时空气矩矩指数(AQI)趋势',
    is -20 //center
},
subtitle: {
    text: "北京 被近24小时空气矩矩指数(AQI)趋势',
    is -20 //center
},
credits: {
    text: "放现更新时间: 2021-03-27 12:00',
    href: "抗tp://www.pm25.in',
    position: {
        align: 'left',
        x: 20,
        y: -15,
        verticalAlign: 'bottom',
    },
    style: {
        color: "#AAA',
        font: '14px Lucida Grande, Lucida Sans Unicode, Verdana, Arial, Helvetica, sans-serif'
},
xxis: {
    categories: ["13Hd", "14Hd", "15Hd", "15Hd", "17Hd", "18Hd", "19Hd", "20Hd", "22Hd", "23Hd", "00Hd", "01Hd",
    labels: {
        categories: ["13Hd", "07Hd", "08Hd", "09Hd", "19Hd", "11Hd", "12Hd"],
        labels: {
        color: '#999',
        font: '12px Lucida Grande, Lucida Sans Unicode, Verdana, Arial, Helvetica, sans-serif'
        }
        92,19 12%
```

#### 测量时间存放在:

的 数据更新时间: 2021-03-27 12:00:00' 里。

#### 观察监测站测量信息:

```
- (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) -
```

#### 发现每一个检测站的数据格式如下:

```
< 东四</td>
```

其中,在细颗粒物(PM2.5)的上4行的数据"东四"为监测站点名称,在细颗粒物(PM2.5)下第二行的数据为PM2.5测量值

# 3.4 **处理html数据**

#### 首先,去掉所有的 <> 标签

使用sed命令将 <> 与 <> 内的所有非 <、非 > 字符替换为空格

```
cat beijing | sed -e 's/<[^<>]*>/ /g' | more
```

#### 去掉行首、行尾多余空格

使用sed命令替换'^\*'、'\*\$'两种正则表达式为空

```
cat beijing | sed -e 's/<[^{<>}]*>/ /g' -e 's/^*//g' -e 's/^*$//g' | more
```

```
NO2 二氧化氮
O3 臭氧1小时平均
SO2 二氧化硫

万寿西宫
145
经度污染
细颗粒物(PM2.5)
111
0.9
27
82
31
1
定唆
25
优
--
17
24
0.3
17
--
NOFE---
```

注意到,我们需要的时间所在行为数据更新时间: 2021-03-27 12:00:00,数据更新时间与 2021-03-27 中间没有空格,只有一个: ,不便于用awk提取,因此**将: 替换为空格** 

```
cat beijing | sed -e 's/<[^<>]*>/ /g' -e 's/^ *//g' -e 's/ *$//g' -e 's/: / /g' | more
```

```
borderWidth: 0 }, series: {{
    name: AQI, data: [204,199,196,193,184,181,171,168,167,171,172,172,170,171,172,174,174,172,178,185,193,198,184,174],
    color: '#99CC66'
    });
});

赴京

四级(中度污染)

数据更新时间 2021-03-27 12:00:00

数值单位 μg/m3(CO为mg/m3)
```

#### 提取时间

编写awk程序

```
/^数据更新时间/ {date=$2; time=$3;}
{printf("%s %s\n",date, time);}
```

获取时间,并打印测试

```
2021-03-27 12:00:00
2021-03-27 12:00:00
2021-03-27 12:00:00
2021-03-27 12:00:00
2021-03-27 12:00:00
2021-03-27 12:00:00
2021-03-27 12:00:00
2021-03-27 12:00:00
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2021-03-27 12:00:00
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2021-03-27 12:00:00
2021-03-27 12:00:00
2021-03-27 12:00:00
2021-03-27 12:00:00
2021-03-27 12:00:00
2021-03-27 12:00:00
```

得到符合要求的时间

提取监测站PM2.5数据

```
NO2 二氧化氮
O3 臭氧1小时平均
SO2 二氧化硫

万寿西宫
145
程度污染

細颗粒物(PM2.5)

定位标志
111

6.9
27
82
31
1
定肢
25
优

-
17
24
0.3
17
--
1/0re--
```

观察数据,我们发现PM2.5数据可以用字段细颗粒物(PM2.5)来确定,对于每一个监测站,细颗粒物(PM2.5)的上4行都是监测站名称,下2行都是PM2.5数据。

编写awk程序

```
BEGIN {pos = -3;}
{Line[NR] = $0;}
/细颗粒物\(PM2.5)/ {pos = NR;}
NR == pos + 2 {printf ("%s,%s\n",Line[pos - 4],$0);}
```

扫描过程中存储每一行 Line [NR] , 当扫描到 细颗粒物\(PM2.5) 时存下行号 pos , 因为当前还未扫描到 PM2.5数据所在行,因此继续往下扫描两行,即 NR == pos 时,输出前 pos-4 行的检测站名称,与当前 行的PM2.5数据

```
a0547@Ubuntu:~$ cat beijing | sed -e 's/<[^◇]*>/ /g' -e 's/^ *//g' -e 's/ *$//g' -e 's/: / /g' | awk -f pm.awk | more 方寿西宫,111
东四,136
天坛,113
农展馆,151
官园,123
顺义新城,167
怀柔镇,121
昌平镇,129
奥体中心,105
古城,144
海淀万柳,122
密云镇,108
延庆夏都,145
平谷新城,117
门头沟三家店,137
大兴旧宫,189
丰台小屯,143
```

#### 汇总awk文件,整理输出

将上述两个awk文件合并到一起,输出结果到final.csv

fianl.awk:

```
BEGIN {pos = -3;}
{Line[NR] = $0;}
/细颗粒物\(PM2.5)/ {pos = NR;}
NR == pos + 2 {printf ("%s %s,%s,%s\n",date,time,Line[pos - 4],$0);}
/^数据更新时间/ {date=$2; time=$3;}
```

```
cat beijing | sed -e 's/<[^<>]*>/ /g' -e 's/^ *//g' -e 's/ *$//g' -e 's/: / /g' | awk -f final.awk > final.csv
```

### 3.5 测试结果

```
a0547@Ubuntu:-$ cat beijing | sed -e 's/<[^<]*>/ /g' -e 's/^ *//g' -e 's/ *$//g' -e 's/: / /g' | awk -f final.awk > final.csv a0547@Ubuntu:-$ cat final.csv a0547.pd; a0547@Ubuntu:-$ cat final.csv a0547.pd; a0547.pd;
```

与在网页上看到的数据一致

# 3.6 定时获取

注意到该网页每小时更新一次,所以我们将上述所有步骤汇总到一个脚本中,使用corntab定时执行任务。

注:由于开启corntab需要root权限,因此后续步骤使用另购的云服务器

汇总脚本

```
rm beijing
wget http://pm25.in/beijing
cat beijing | sed -e 's/<[^<>]*>/ /g' -e 's/^ *//g' -e 's/ *$//g' -e 's/: / /g'
| awk -f final.awk >> final.csv
```

其中, >> 操作可以追加写入, 便于存储每个时间段的数据。

查看cron是否运行

```
ps -ef | grep cron
```

root@linux-lab:~# ps -ef | grep cron root 3257 1 0 Mar28 ? 00:00:00 /usr/sbin/cron -f root 29256 29042 0 20:10 pts/0 00:00:00 grep --color=auto cron

如果cron没有运行的, 需要通过 sudo service cron start 启动

编辑crontab文件,用来存放要执行的命令

sudo crontab -e

添加执行命令

0 \*/1 \* \* \* /root/auto.sh

其中,0 \*/1 \* \* \* 为crontab文件,代表每小时运行一次。

重启cron来应用这个计划任务

sudo service cron restart

等待脚本运行4天后 (3.28~3.31) , 得到结果

```
2021-03-31 16:00:00,官园,26
2021-03-31 16:00:00,昌平镇,31
2021-03-31 16:00:00, 奥体中心, 17
2021-03-31 16:00:00, 古城, 27
2021-03-31 16:00:00,定陵(对照点),29
2021-03-31 16:00:00,平谷新城,21
2021-03-31 16:00:00,门头沟三家店,28
2021-03-31 16:00:00,大兴旧宫,18
2021-03-31 16:00:00, 丰台云岗, 24
2021-03-31 16:00:00,房山燕山,33
2021-03-31 16:00:00, 丰台小屯, 23
2021-03-31 17:00:00, 万寿西宫, 18
2021-03-31 17:00:00,天坛,14
2021-03-31 17:00:00,农展馆,15
2021-03-31 17:00:00,官园,23
2021-03-31 17:00:00,古城,20
2021-03-31 17:00:00,海淀万柳,16
2021-03-31 17:00:00,延庆夏都,13
2021-03-31 17:00:00,平谷新城,21
2021-03-31 17:00:00,门头沟三家店,22
2021-03-31 17:00:00,大兴旧宫,14
2021-03-31 17:00:00,丰台云岗,18
2021-03-31 17:00:00,房山燕山,30
2021-03-31 17:00:00, 丰台小屯, 18
2021-03-31 18:00:00, 农展馆, 14
2021-03-31 18:00:00, 顺义新城, 10
2021-03-31 18:00:00,昌平镇,13
2021-03-31 18:00:00, 奥体中心, 37
2021-03-31 18:00:00,古城,18
2021-03-31 18:00:00,定陵(对照点),49
2021-03-31 18:00:00,延庆夏都,13
2021-03-31 18:00:00,平谷新城,42
2021-03-31 18:00:00,门头沟三家店,18
2021-03-31 18:00:00, 丰台云岗, 15
2021-03-31 18:00:00,通州东关,14
2021-03-31 18:00:00,房山燕山,29
2021-03-31 18:00:00,延庆石河营,14
2021-03-31 18:00:00,丰台小屯,15
2021-03-31 19:00:00, 东四, 14
2021-03-31 19:00:00,天坛,11
2021-03-31 19:00:00, 农展馆, 17
2021-03-31 19:00:00, 顺义新城,11
2021-03-31 19:00:00, 奥体中心, 29
2021-03-31 19:00:00,古城,16
2021-03-31 19:00:00,定陵(对照点),52
2021-03-31 19:00:00,延庆夏都,11
2021-03-31 19:00:00,平谷新城,45
2021-03-31 19:00:00,门头沟三家店,15
2021-03-31 19:00:00,大兴旧宫,11
2021-03-31 19:00:00,丰台云岗,14
2021-03-31 19:00:00,通州东
2021-03-31 19:00:00,房山燕山,30
```

# 3.7 查看最终结果

将获取的最终数据转为windows下文件格式并导出,在excel中打开

```
root@linux-lab:~# unix2dos final.csv
unix2dos: converting file final.csv to DOS format...
```

	А	В	С
1	2021/3/28 10:00	万寿西宫	302
2	2021/3/28 10:00	东四	400
3	2021/3/28 10:00	天坛	329
4	2021/3/28 10:00	农展馆	443
5	2021/3/28 10:00	官园	331
6	2021/3/28 10:00	顺义新城	348
7	2021/3/28 10:00	怀柔镇	444
8	2021/3/28 10:00	昌平镇	443
9	2021/3/28 10:00	奥体中心	404
10	2021/3/28 10:00	古城	316
11	2021/3/28 10:00	海淀万柳	338
12	2021/3/28 10:00	密云镇	351
13	2021/3/28 10:00	定陵(对照	359
14	2021/3/28 10:00	延庆夏都	368
15	2021/3/28 10:00	平谷新城	271
16	2021/3/28 10:00	密云新城	397
17	2021/3/28 10:00	门头沟三	313
18	2021/3/28 10:00	大兴旧宫	298
19	2021/3/28 10:00	丰台云岗	265
20	2021/3/28 10:00	通州东关	382
21	2021/3/28 10:00	房山燕山	172
22	2021/3/28 10:00	延庆石河:	329
23	2021/3/28 10:00	怀柔新城	346
24	2021/3/28 10:00	丰台小屯	283
25	2021/3/28 11:00	万寿西宫	258
26	2021/3/28 11:00	东四	315
27	2021/3/28 11:00	天坛	288
28	2021/3/28 11:00	农展馆	382
29	2021/3/28 11:00	官园	254
30	2021/3/28 11:00	怀柔镇	350
31	2021/3/28 11:00	昌平镇	378
32	2021/3/28 11:00	奥体中心	356
-22	final 1	<del>1</del> 1+	240
	man	•	

以海淀万柳监测站为例,做出Pm2.5随时间变化的图表:

时间	监测站	Pm2.5(μg/m3)
2021/3/28 10:00	海淀万柳	338
2021/3/28 11:00	海淀万柳	296
2021/3/28 12:00	海淀万柳	260
2021/3/28 13:00	海淀万柳	184
2021/3/28 14:00	海淀万柳	71
2021/3/28 15:00	海淀万柳	37
2021/3/28 16:00	海淀万柳	38
2021/3/28 17:00	海淀万柳	21
2021/3/28 18:00	海淀万柳	23
2021/3/28 19:00	海淀万柳	23
2021/3/28 20:00	海淀万柳	27
2021/3/28 21:00	海淀万柳	57
2021/3/28 22:00	海淀万柳	23
2021/3/28 23:00	海淀万柳	24
2021/3/29 0:00	海淀万柳	18
2021/3/29 1:00	海淀万柳	30
2021/3/29 2:00	海淀万柳	19
2021/3/29 4:00	海淀万柳	19
2021/3/29 5:00	海淀万柳	12
2021/3/29 6:00	海淀万柳	10
2021/3/29 7:00	海淀万柳	20
2021/3/29 8:00	海淀万柳	15
2021/3/29 12:00	海淀万柳	15
2021/3/29 15:00	海淀万柳	20
2021/3/29 16:00	海淀万柳	36
2021/3/29 17:00	海淀万柳	50
2021/3/29 18:00	海淀万柳	36
2021/3/29 19:00	海淀万柳	42
2021/3/29 20:00	海淀万柳	44
2021/3/29 21:00	海淀万柳	45

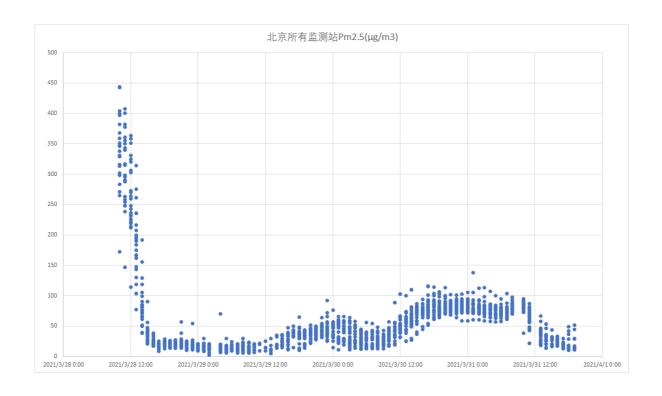
时间	监测站	Pm2.5(μg/m3)
2021/3/29 22:00	海淀万柳	64
2021/3/29 23:00	海淀万柳	72
2021/3/30 0:00	海淀万柳	54
2021/3/30 1:00	海淀万柳	54
2021/3/30 2:00	海淀万柳	46
2021/3/30 3:00	海淀万柳	45
2021/3/30 4:00	海淀万柳	42
2021/3/30 5:00	海淀万柳	39
2021/3/30 6:00	海淀万柳	38
2021/3/30 7:00	海淀万柳	40
2021/3/30 8:00	海淀万柳	40
2021/3/30 9:00	海淀万柳	32
2021/3/30 10:00	海淀万柳	36
2021/3/30 11:00	海淀万柳	31
2021/3/30 12:00	海淀万柳	45
2021/3/30 13:00	海淀万柳	57
2021/3/30 14:00	海淀万柳	63
2021/3/30 15:00	海淀万柳	81
2021/3/30 16:00	海淀万柳	87
2021/3/30 17:00	海淀万柳	93
2021/3/30 18:00	海淀万柳	93
2021/3/30 19:00	海淀万柳	106
2021/3/30 20:00	海淀万柳	83
2021/3/30 21:00	海淀万柳	82
2021/3/30 22:00	海淀万柳	83
2021/3/30 23:00	海淀万柳	86
2021/3/31 0:00	海淀万柳	88
2021/3/31 1:00	海淀万柳	87
2021/3/31 2:00	海淀万柳	85
2021/3/31 3:00	海淀万柳	84

时间	监测站	Pm2.5(μg/m3)
2021/3/31 4:00	海淀万柳	79
2021/3/31 5:00	海淀万柳	79
2021/3/31 6:00	海淀万柳	79
2021/3/31 7:00	海淀万柳	78
2021/3/31 8:00	海淀万柳	83
2021/3/31 8:00	海淀万柳	83
2021/3/31 10:00	海淀万柳	79
2021/3/31 11:00	海淀万柳	68
2021/3/31 11:00	海淀万柳	68
2021/3/31 13:00	海淀万柳	46
2021/3/31 14:00	海淀万柳	36
2021/3/31 15:00	海淀万柳	32
2021/3/31 17:00	海淀万柳	16



可以看到, 3月28日北京经历了沙尘暴天气, Pm2.5急剧升高; 沙暴过后, Pm2.5回落

作出北京所有检测站的Pm2.5图



# 四、实验总结

在本次实验中,我成功的通过Linux的命令行操作提取出了网页中的特定信息。在此之前,我一直只会使用Python爬虫进行网页提取的功能。通过此次实验,我重新认识到了Linux命令的强大之处,仅仅使用短短几行的命令,就能完成如此复杂的网页提取,令我受益匪浅。

# 附录 完整提取数据

```
2021/3/28 10:00,万寿西宫,302
2021/3/28 10:00, 东四, 400
2021/3/28 10:00,天坛,329
2021/3/28 10:00,农展馆,443
2021/3/28 10:00,官园,331
2021/3/28 10:00,顺义新城,348
2021/3/28 10:00, 怀柔镇, 444
2021/3/28 10:00,昌平镇,443
2021/3/28 10:00, 奥体中心, 404
2021/3/28 10:00,古城,316
2021/3/28 10:00,海淀万柳,338
2021/3/28 10:00,密云镇,351
2021/3/28 10:00,定陵(对照点),359
2021/3/28 10:00,延庆夏都,368
2021/3/28 10:00,平谷新城,271
2021/3/28 10:00, 密云新城, 397
2021/3/28 10:00,门头沟三家店,313
2021/3/28 10:00,大兴旧宫,298
2021/3/28 10:00, 丰台云岗, 265
2021/3/28 10:00,通州东关,382
2021/3/28 10:00,房山燕山,172
2021/3/28 10:00,延庆石河营,329
2021/3/28 10:00, 怀柔新城, 346
2021/3/28 10:00,丰台小屯,283
2021/3/28 11:00,万寿西宫,258
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2021/3/28 11:00, 东四, 315
2021/3/28 11:00,天坛,288
2021/3/28 11:00,农展馆,382
2021/3/28 11:00,官园,254
2021/3/28 11:00,怀柔镇,350
2021/3/28 11:00,昌平镇,378
2021/3/28 11:00,奥体中心,356
2021/3/28 11:00, 古城, 248
2021/3/28 11:00,海淀万柳,296
2021/3/28 11:00,密云镇,361
2021/3/28 11:00,定陵(对照点),340
2021/3/28 11:00,延庆夏都,317
2021/3/28 11:00,平谷新城,343
2021/3/28 11:00,密云新城,408
2021/3/28 11:00,门头沟三家店,263
2021/3/28 11:00, 大兴旧宫, 263
2021/3/28 11:00, 丰台云岗, 248
2021/3/28 11:00,通州东关,401
2021/3/28 11:00,房山燕山,147
2021/3/28 11:00,延庆石河营,298
2021/3/28 11:00,怀柔新城,290
2021/3/28 11:00, 丰台小屯, 238
2021/3/28 12:00,万寿西宫,231
2021/3/28 12:00, 东四, 270
2021/3/28 12:00,天坛,264
2021/3/28 12:00,农展馆,303
2021/3/28 12:00,官园,223
2021/3/28 12:00, 顺义新城, 306
2021/3/28 12:00,怀柔镇,219
2021/3/28 12:00,昌平镇,325
2021/3/28 12:00, 奥体中心, 320
2021/3/28 12:00, 古城, 212
2021/3/28 12:00,海淀万柳,260
2021/3/28 12:00,密云镇,331
2021/3/28 12:00,定陵(对照点),273
2021/3/28 12:00,延庆夏都,243
2021/3/28 12:00,平谷新城,358
2021/3/28 12:00,密云新城,351
2021/3/28 12:00,门头沟三家店,248
2021/3/28 12:00,大兴旧宫,237
2021/3/28 12:00, 丰台云岗, 214
2021/3/28 12:00,通州东关,364
2021/3/28 12:00,房山燕山,114
2021/3/28 12:00,延庆石河营,233
2021/3/28 12:00,怀柔新城,226
2021/3/28 12:00, 丰台小屯, 220
2021/3/28 13:00,万寿西宫,191
2021/3/28 13:00, 东四, 208
2021/3/28 13:00,天坛,216
2021/3/28 13:00,农展馆,236
2021/3/28 13:00,官园,175
2021/3/28 13:00, 顺义新城, 236
2021/3/28 13:00,怀柔镇,119
2021/3/28 13:00,昌平镇,196
2021/3/28 13:00,奥体中心,261
2021/3/28 13:00, 古城, 143
2021/3/28 13:00,海淀万柳,184
2021/3/28 13:00,密云镇,194
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2021/3/28 13:00,定陵(对照点),167
2021/3/28 13:00,延庆夏都,104
2021/3/28 13:00,平谷新城,275
2021/3/28 13:00,密云新城,190
2021/3/28 13:00,门头沟三家店,166
2021/3/28 13:00, 大兴旧宫, 200
2021/3/28 13:00, 丰台云岗, 148
2021/3/28 13:00,通州东关,314
2021/3/28 13:00,房山燕山,77
2021/3/28 13:00,延庆石河营,104
2021/3/28 13:00,怀柔新城,130
2021/3/28 13:00, 丰台小屯, 162
2021/3/28 14:00,万寿西宫,81
2021/3/28 14:00,东四,83
2021/3/28 14:00,天坛,90
2021/3/28 14:00,农展馆,119
2021/3/28 14:00,官园,67
2021/3/28 14:00, 顺义新城,129
2021/3/28 14:00,怀柔镇,38
2021/3/28 14:00,昌平镇,75
2021/3/28 14:00, 奥体中心, 99
2021/3/28 14:00, 古城, 76
2021/3/28 14:00,海淀万柳,71
2021/3/28 14:00,密云镇,65
2021/3/28 14:00,定陵(对照点),85
2021/3/28 14:00,延庆夏都,39
2021/3/28 14:00,平谷新城,156
2021/3/28 14:00,密云新城,61
2021/3/28 14:00,门头沟三家店,73
2021/3/28 14:00,大兴旧宫,105
2021/3/28 14:00, 丰台云岗, 76
2021/3/28 14:00,通州东关,192
2021/3/28 14:00,房山燕山,52
2021/3/28 14:00,延庆石河营,39
2021/3/28 14:00,怀柔新城,50
2021/3/28 14:00, 丰台小屯, 85
2021/3/28 15:00,万寿西宫,39
2021/3/28 15:00, 东四, 36
2021/3/28 15:00,天坛,43
2021/3/28 15:00,农展馆,40
2021/3/28 15:00,官园,33
2021/3/28 15:00, 顺义新城, 47
2021/3/28 15:00, 怀柔镇, 21
2021/3/28 15:00,昌平镇,25
2021/3/28 15:00, 奥体中心, 44
2021/3/28 15:00, 古城, 26
2021/3/28 15:00,海淀万柳,37
2021/3/28 15:00,密云镇,29
2021/3/28 15:00,定陵(对照点),33
2021/3/28 15:00,延庆夏都,22
2021/3/28 15:00,平谷新城,56
2021/3/28 15:00,密云新城,27
2021/3/28 15:00,门头沟三家店,33
2021/3/28 15:00, 大兴旧宫, 46
2021/3/28 15:00,丰台云岗,29
2021/3/28 15:00,通州东关,90
2021/3/28 15:00,房山燕山,27
2021/3/28 15:00,延庆石河营,21
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2021/3/28 15:00,怀柔新城,24
2021/3/28 15:00,丰台小屯,38
2021/3/28 16:00,万寿西宫,24
2021/3/28 16:00, 东四, 19
2021/3/28 16:00,天坛,25
2021/3/28 16:00,农展馆,28
2021/3/28 16:00,官园,24
2021/3/28 16:00, 顺义新城, 24
2021/3/28 16:00,怀柔镇,23
2021/3/28 16:00,昌平镇,17
2021/3/28 16:00, 奥体中心, 36
2021/3/28 16:00, 古城, 21
2021/3/28 16:00,海淀万柳,38
2021/3/28 16:00,密云镇,20
2021/3/28 16:00,定陵(对照点),28
2021/3/28 16:00,延庆夏都,17
2021/3/28 16:00,平谷新城,25
2021/3/28 16:00,密云新城,21
2021/3/28 16:00,门头沟三家店,23
2021/3/28 16:00,大兴旧宫,28
2021/3/28 16:00, 丰台云岗, 20
2021/3/28 16:00,通州东关,32
2021/3/28 16:00,房山燕山,19
2021/3/28 16:00,延庆石河营,17
2021/3/28 16:00,怀柔新城,19
2021/3/28 16:00, 丰台小屯, 28
2021/3/28 17:00,万寿西宫,19
2021/3/28 17:00, 东四, 16
2021/3/28 17:00,天坛,20
2021/3/28 17:00,农展馆,12
2021/3/28 17:00,官园,8
2021/3/28 17:00, 顺义新城, 20
2021/3/28 17:00,怀柔镇,20
2021/3/28 17:00,昌平镇,14
2021/3/28 17:00, 奥体中心, 20
2021/3/28 17:00,古城,19
2021/3/28 17:00,海淀万柳,21
2021/3/28 17:00,密云镇,18
2021/3/28 17:00,定陵(对照点),18
2021/3/28 17:00,延庆夏都,18
2021/3/28 17:00,平谷新城,20
2021/3/28 17:00,密云新城,18
2021/3/28 17:00,门头沟三家店,21
2021/3/28 17:00,大兴旧宫,20
2021/3/28 17:00, 丰台云岗, 17
2021/3/28 17:00,通州东关,21
2021/3/28 17:00,房山燕山,16
2021/3/28 17:00,延庆石河营,24
2021/3/28 17:00,怀柔新城,17
2021/3/28 17:00,丰台小屯,25
2021/3/28 18:00,万寿西宫,21
2021/3/28 18:00, 东四, 17
2021/3/28 18:00,天坛,22
2021/3/28 18:00,农展馆,25
2021/3/28 18:00,官园,23
2021/3/28 18:00, 顺义新城,19
2021/3/28 18:00,怀柔镇,13
2021/3/28 18:00,昌平镇,24
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2021/3/28 18:00, 奥体中心, 22
2021/3/28 18:00,古城,19
2021/3/28 18:00,海淀万柳,23
2021/3/28 18:00, 密云镇, 17
2021/3/28 18:00,定陵(对照点),21
2021/3/28 18:00,延庆夏都,22
2021/3/28 18:00,平谷新城,18
2021/3/28 18:00,密云新城,17
2021/3/28 18:00,门头沟三家店,25
2021/3/28 18:00,大兴旧宫,22
2021/3/28 18:00, 丰台云岗, 21
2021/3/28 18:00,通州东关,21
2021/3/28 18:00,房山燕山,17
2021/3/28 18:00,延庆石河营,23
2021/3/28 18:00,怀柔新城,16
2021/3/28 18:00, 丰台小屯, 29
2021/3/28 19:00,万寿西宫,23
2021/3/28 19:00,东四,20
2021/3/28 19:00,天坛,25
2021/3/28 19:00,农展馆,19
2021/3/28 19:00,官园,26
2021/3/28 19:00, 顺义新城,19
2021/3/28 19:00,怀柔镇,14
2021/3/28 19:00,昌平镇,23
2021/3/28 19:00, 奥体中心, 24
2021/3/28 19:00, 古城, 20
2021/3/28 19:00,海淀万柳,23
2021/3/28 19:00,密云镇,16
2021/3/28 19:00,定陵(对照点),20
2021/3/28 19:00,延庆夏都,24
2021/3/28 19:00,平谷新城,16
2021/3/28 19:00,密云新城,17
2021/3/28 19:00,门头沟三家店,21
2021/3/28 19:00, 大兴旧宫, 24
2021/3/28 19:00, 丰台云岗, 18
2021/3/28 19:00,通州东关,24
2021/3/28 19:00,房山燕山,17
2021/3/28 19:00,延庆石河营,22
2021/3/28 19:00,怀柔新城,19
2021/3/28 19:00,丰台小屯,26
2021/3/28 20:00,万寿西宫,20
2021/3/28 20:00, 东四, 17
2021/3/28 20:00,天坛,22
2021/3/28 20:00,农展馆,25
2021/3/28 20:00,官园,24
2021/3/28 20:00, 顺义新城, 24
2021/3/28 20:00, 怀柔镇, 25
2021/3/28 20:00,昌平镇,17
2021/3/28 20:00, 奥体中心, 27
2021/3/28 20:00,古城,14
2021/3/28 20:00,海淀万柳,27
2021/3/28 20:00,密云镇,20
2021/3/28 20:00,定陵(对照点),26
2021/3/28 20:00,延庆夏都,22
2021/3/28 20:00,平谷新城,17
2021/3/28 20:00,密云新城,20
2021/3/28 20:00,门头沟三家店,20
2021/3/28 20:00,大兴旧宫,21
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2021/3/28 20:00, 丰台云岗, 17
2021/3/28 20:00,通州东关,27
2021/3/28 20:00,房山燕山,15
2021/3/28 20:00,延庆石河营,22
2021/3/28 20:00,怀柔新城,23
2021/3/28 20:00, 丰台小屯, 21
2021/3/28 21:00,万寿西宫,21
2021/3/28 21:00,东四,17
2021/3/28 21:00,天坛,24
2021/3/28 21:00,农展馆,21
2021/3/28 21:00,官园,22
2021/3/28 21:00,顺义新城,26
2021/3/28 21:00,怀柔镇,26
2021/3/28 21:00,昌平镇,20
2021/3/28 21:00, 奥体中心, 38
2021/3/28 21:00, 古城, 16
2021/3/28 21:00,海淀万柳,57
2021/3/28 21:00,密云镇,20
2021/3/28 21:00,定陵(对照点),29
2021/3/28 21:00,延庆夏都,18
2021/3/28 21:00,平谷新城,21
2021/3/28 21:00,密云新城,21
2021/3/28 21:00,门头沟三家店,20
2021/3/28 21:00, 大兴旧宫, 20
2021/3/28 21:00, 丰台云岗, 17
2021/3/28 21:00,通州东关,26
2021/3/28 21:00,房山燕山,14
2021/3/28 21:00,延庆石河营,18
2021/3/28 21:00,怀柔新城,22
2021/3/28 21:00,丰台小屯,21
2021/3/28 22:00,万寿西宫,20
2021/3/28 22:00,东四,13
2021/3/28 22:00,天坛,22
2021/3/28 22:00,农展馆,13
2021/3/28 22:00,官园,21
2021/3/28 22:00, 顺义新城, 23
2021/3/28 22:00,怀柔镇,20
2021/3/28 22:00,昌平镇,10
2021/3/28 22:00, 奥体中心, 19
2021/3/28 22:00, 古城, 16
2021/3/28 22:00,海淀万柳,23
2021/3/28 22:00,密云镇,16
2021/3/28 22:00,定陵(对照点),18
2021/3/28 22:00,延庆夏都,18
2021/3/28 22:00,平谷新城,20
2021/3/28 22:00,密云新城,18
2021/3/28 22:00,门头沟三家店,21
2021/3/28 22:00, 大兴旧宫, 21
2021/3/28 22:00, 丰台云岗, 19
2021/3/28 22:00,通州东关,25
2021/3/28 22:00,房山燕山,13
2021/3/28 22:00,延庆石河营,17
2021/3/28 22:00,怀柔新城,18
2021/3/28 22:00, 丰台小屯, 20
2021/3/28 23:00,万寿西宫,20
2021/3/28 23:00, 东四, 14
2021/3/28 23:00,天坛,21
2021/3/28 23:00,农展馆,11
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2021/3/28 23:00,官园,20
2021/3/28 23:00,顺义新城,19
2021/3/28 23:00,怀柔镇,18
2021/3/28 23:00,昌平镇,11
2021/3/28 23:00, 奥体中心, 19
2021/3/28 23:00,古城,13
2021/3/28 23:00,海淀万柳,24
2021/3/28 23:00,密云镇,14
2021/3/28 23:00,定陵(对照点),18
2021/3/28 23:00,延庆夏都,18
2021/3/28 23:00,平谷新城,17
2021/3/28 23:00,密云新城,16
2021/3/28 23:00,门头沟三家店,54
2021/3/28 23:00, 大兴旧宫, 20
2021/3/28 23:00, 丰台云岗, 19
2021/3/28 23:00,通州东关,27
2021/3/28 23:00,房山燕山,14
2021/3/28 23:00,延庆石河营,23
2021/3/28 23:00,怀柔新城,16
2021/3/28 23:00, 丰台小屯, 21
2021/3/29 0:00,万寿西宫,18
2021/3/29 0:00, 东四, 14
2021/3/29 0:00,天坛,20
2021/3/29 0:00,农展馆,16
2021/3/29 0:00,官园,17
2021/3/29 0:00,顺义新城,18
2021/3/29 0:00,怀柔镇,9
2021/3/29 0:00,昌平镇,14
2021/3/29 0:00, 奥体中心, 21
2021/3/29 0:00, 古城, 13
2021/3/29 0:00,海淀万柳,18
2021/3/29 0:00,密云镇,14
2021/3/29 0:00,定陵(对照点),11
2021/3/29 0:00,延庆夏都,16
2021/3/29 0:00,平谷新城,16
2021/3/29 0:00,密云新城,16
2021/3/29 0:00,门头沟三家店,19
2021/3/29 0:00, 大兴旧宫, 19
2021/3/29 0:00, 丰台云岗, 17
2021/3/29 0:00,通州东关,21
2021/3/29 0:00,房山燕山,13
2021/3/29 0:00,延庆石河营,18
2021/3/29 0:00,怀柔新城,14
2021/3/29 0:00, 丰台小屯, 18
2021/3/29 1:00,万寿西宫,15
2021/3/29 1:00, 东四, 14
2021/3/29 1:00,天坛,20
2021/3/29 1:00,农展馆,16
2021/3/29 1:00,官园,12
2021/3/29 1:00,顺义新城,16
2021/3/29 1:00,怀柔镇,11
2021/3/29 1:00,昌平镇,12
2021/3/29 1:00, 奥体中心, 22
2021/3/29 1:00, 古城, 12
2021/3/29 1:00,海淀万柳,30
2021/3/29 1:00,密云镇,20
2021/3/29 1:00,定陵(对照点),8
2021/3/29 1:00,延庆夏都,15
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2021/3/29 1:00,平谷新城,16
2021/3/29 1:00,密云新城,16
2021/3/29 1:00,门头沟三家店,15
2021/3/29 1:00, 大兴旧宫, 18
2021/3/29 1:00, 丰台云岗, 16
2021/3/29 1:00,通州东关,21
2021/3/29 1:00,房山燕山,12
2021/3/29 1:00,延庆石河营,15
2021/3/29 1:00,怀柔新城,13
2021/3/29 1:00, 丰台小屯, 18
2021/3/29 2:00,万寿西宫,16
2021/3/29 2:00, 东四, 12
2021/3/29 2:00,天坛,19
2021/3/29 2:00,农展馆,15
2021/3/29 2:00,官园,13
2021/3/29 2:00, 顺义新城,13
2021/3/29 2:00, 怀柔镇, 6
2021/3/29 2:00,昌平镇,11
2021/3/29 2:00,奥体中心,21
2021/3/29 2:00, 古城, 10
2021/3/29 2:00,海淀万柳,19
2021/3/29 2:00,密云镇,16
2021/3/29 2:00,定陵(对照点),2
2021/3/29 2:00,延庆夏都,16
2021/3/29 2:00,平谷新城,15
2021/3/29 2:00,密云新城,15
2021/3/29 2:00,门头沟三家店,12
2021/3/29 2:00,大兴旧宫,20
2021/3/29 2:00,丰台云岗,13
2021/3/29 2:00,通州东关,17
2021/3/29 2:00,房山燕山,10
2021/3/29 2:00,延庆石河营,17
2021/3/29 2:00,怀柔新城,11
2021/3/29 2:00, 丰台小屯, 17
2021/3/29 4:00,万寿西宫,17
2021/3/29 4:00, 东四, 12
2021/3/29 4:00,天坛,17
2021/3/29 4:00,农展馆,11
2021/3/29 4:00,官园,11
2021/3/29 4:00,顺义新城,11
2021/3/29 4:00, 怀柔镇, 7
2021/3/29 4:00,昌平镇,70
2021/3/29 4:00, 奥体中心, 17
2021/3/29 4:00, 古城, 9
2021/3/29 4:00,海淀万柳,19
2021/3/29 4:00,密云镇,20
2021/3/29 4:00,定陵(对照点),20
2021/3/29 4:00,延庆夏都,13
2021/3/29 4:00,平谷新城,16
2021/3/29 4:00,密云新城,14
2021/3/29 4:00,门头沟三家店,10
2021/3/29 4:00, 大兴旧宫, 17
2021/3/29 4:00, 丰台云岗, 10
2021/3/29 4:00,通州东关,18
2021/3/29 4:00,房山燕山,8
2021/3/29 4:00,延庆石河营,12
2021/3/29 4:00, 丰台小屯, 11
2021/3/29 5:00, 东四, 12
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2021/3/29 5:00,天坛,14
2021/3/29 5:00,农展馆,14
2021/3/29 5:00,官园,8
2021/3/29 5:00, 顺义新城, 10
2021/3/29 5:00,昌平镇,30
2021/3/29 5:00, 奥体中心, 15
2021/3/29 5:00, 古城, 8
2021/3/29 5:00,海淀万柳,12
2021/3/29 5:00,密云镇,18
2021/3/29 5:00,定陵(对照点),6
2021/3/29 5:00,延庆夏都,13
2021/3/29 5:00,平谷新城,17
2021/3/29 5:00,密云新城,16
2021/3/29 5:00,门头沟三家店,8
2021/3/29 5:00,大兴旧宫,15
2021/3/29 5:00, 丰台云岗, 9
2021/3/29 5:00,通州东关,18
2021/3/29 5:00,房山燕山,9
2021/3/29 5:00,延庆石河营,12
2021/3/29 5:00, 丰台小屯, 11
2021/3/29 6:00,万寿西宫,11
2021/3/29 6:00, 东四, 10
2021/3/29 6:00,天坛,12
2021/3/29 6:00,农展馆,12
2021/3/29 6:00,官园,10
2021/3/29 6:00, 顺义新城, 13
2021/3/29 6:00,昌平镇,14
2021/3/29 6:00, 奥体中心, 14
2021/3/29 6:00,古城,11
2021/3/29 6:00,海淀万柳,10
2021/3/29 6:00,密云镇,16
2021/3/29 6:00,定陵(对照点),12
2021/3/29 6:00,延庆夏都,12
2021/3/29 6:00,平谷新城,17
2021/3/29 6:00,密云新城,24
2021/3/29 6:00,门头沟三家店,9
2021/3/29 6:00,大兴旧宫,13
2021/3/29 6:00, 丰台云岗, 9
2021/3/29 6:00,通州东关,20
2021/3/29 6:00,房山燕山,9
2021/3/29 6:00,延庆石河营,13
2021/3/29 6:00, 丰台小屯, 13
2021/3/29 7:00,万寿西宫,12
2021/3/29 7:00, 东四, 11
2021/3/29 7:00,天坛,13
2021/3/29 7:00,农展馆,13
2021/3/29 7:00,官园,9
2021/3/29 7:00,顺义新城,14
2021/3/29 7:00, 怀柔镇, 15
2021/3/29 7:00,昌平镇,6
2021/3/29 7:00, 奥体中心, 11
2021/3/29 7:00, 古城, 13
2021/3/29 7:00,海淀万柳,20
2021/3/29 7:00,密云镇,17
2021/3/29 7:00,定陵(对照点),10
2021/3/29 7:00,延庆夏都,12
2021/3/29 7:00,平谷新城,19
2021/3/29 7:00, 密云新城, 21
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2021/3/29 7:00,门头沟三家店,10
2021/3/29 7:00,大兴旧宫,12
2021/3/29 7:00, 丰台云岗, 11
2021/3/29 7:00,通州东关,19
2021/3/29 7:00,房山燕山,8
2021/3/29 7:00,延庆石河营,11
2021/3/29 7:00,怀柔新城,12
2021/3/29 7:00, 丰台小屯, 12
2021/3/29 8:00, 东四, 9
2021/3/29 8:00,农展馆,12
2021/3/29 8:00,官园,6
2021/3/29 8:00,顺义新城,17
2021/3/29 8:00, 怀柔镇, 16
2021/3/29 8:00,昌平镇,12
2021/3/29 8:00, 奥体中心, 10
2021/3/29 8:00, 古城, 11
2021/3/29 8:00,海淀万柳,15
2021/3/29 8:00,密云镇,19
2021/3/29 8:00,定陵(对照点),9
2021/3/29 8:00,延庆夏都,30
2021/3/29 8:00,平谷新城,23
2021/3/29 8:00,密云新城,15
2021/3/29 8:00,门头沟三家店,11
2021/3/29 8:00,大兴旧宫,11
2021/3/29 8:00, 丰台云岗, 11
2021/3/29 8:00,通州东关,17
2021/3/29 8:00,房山燕山,9
2021/3/29 8:00,延庆石河营,21
2021/3/29 8:00,怀柔新城,17
2021/3/29 8:00,丰台小屯,13
2021/3/29 9:00, 东四, 6
2021/3/29 9:00,农展馆,17
2021/3/29 9:00,怀柔镇,6
2021/3/29 9:00,昌平镇,14
2021/3/29 9:00, 奥体中心, 11
2021/3/29 9:00, 古城, 9
2021/3/29 9:00,密云镇,15
2021/3/29 9:00,定陵(对照点),9
2021/3/29 9:00,延庆夏都,23
2021/3/29 9:00,平谷新城,22
2021/3/29 9:00,密云新城,17
2021/3/29 9:00, 丰台云岗, 8
2021/3/29 9:00,通州东关,14
2021/3/29 9:00,房山燕山,14
2021/3/29 9:00,延庆石河营,16
2021/3/29 9:00,怀柔新城,16
2021/3/29 10:00,农展馆,7
2021/3/29 10:00,昌平镇,19
2021/3/29 10:00, 奥体中心, 11
2021/3/29 10:00,延庆夏都,21
2021/3/29 10:00,通州东关,10
2021/3/29 10:00,房山燕山,15
2021/3/29 10:00,延庆石河营,17
2021/3/29 11:00, 东四, 20
2021/3/29 11:00,通州东关,9
2021/3/29 11:00,房山燕山,22
2021/3/29 12:00,万寿西宫,9
2021/3/29 12:00,海淀万柳,15
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2021/3/29 12:00, 丰台云岗, 15
2021/3/29 12:00,房山燕山,25
2021/3/29 13:00,万寿西宫,9
2021/3/29 13:00,农展馆,5
2021/3/29 13:00, 古城, 5
2021/3/29 13:00,门头沟三家店,11
2021/3/29 13:00, 丰台云岗, 18
2021/3/29 13:00,房山燕山,30
2021/3/29 13:00, 丰台小屯, 12
2021/3/29 14:00,万寿西宫,18
2021/3/29 14:00,天坛,14
2021/3/29 14:00,官园,15
2021/3/29 14:00,古城,19
2021/3/29 14:00,门头沟三家店,16
2021/3/29 14:00, 大兴旧宫, 19
2021/3/29 14:00, 丰台云岗, 35
2021/3/29 14:00,房山燕山,32
2021/3/29 14:00,丰台小屯,20
2021/3/29 15:00,万寿西宫,23
2021/3/29 15:00, 东四, 17
2021/3/29 15:00,天坛,23
2021/3/29 15:00,农展馆,17
2021/3/29 15:00,官园,19
2021/3/29 15:00,昌平镇,19
2021/3/29 15:00, 奥体中心, 15
2021/3/29 15:00, 古城, 34
2021/3/29 15:00,海淀万柳,20
2021/3/29 15:00,门头沟三家店,30
2021/3/29 15:00, 大兴旧宫, 26
2021/3/29 15:00, 丰台云岗, 35
2021/3/29 15:00,房山燕山,36
2021/3/29 15:00, 丰台小屯, 36
2021/3/29 16:00,万寿西宫,33
2021/3/29 16:00, 东四, 23
2021/3/29 16:00,天坛,26
2021/3/29 16:00,农展馆,18
2021/3/29 16:00,官园,26
2021/3/29 16:00,昌平镇,11
2021/3/29 16:00, 奥体中心, 29
2021/3/29 16:00,古城,37
2021/3/29 16:00,海淀万柳,36
2021/3/29 16:00,定陵(对照点),13
2021/3/29 16:00,门头沟三家店,39
2021/3/29 16:00, 大兴旧宫, 37
2021/3/29 16:00, 丰台云岗, 47
2021/3/29 16:00,通州东关,19
2021/3/29 16:00,房山燕山,39
2021/3/29 16:00, 丰台小屯, 37
2021/3/29 17:00,万寿西宫,42
2021/3/29 17:00, 东四, 35
2021/3/29 17:00,天坛,42
2021/3/29 17:00,农展馆,37
2021/3/29 17:00,官园,36
2021/3/29 17:00, 顺义新城, 15
2021/3/29 17:00,昌平镇,32
2021/3/29 17:00, 奥体中心, 42
2021/3/29 17:00, 古城, 43
2021/3/29 17:00,海淀万柳,50
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2021/3/29 17:00,定陵(对照点),37
2021/3/29 17:00,门头沟三家店,44
2021/3/29 17:00,大兴旧宫,36
2021/3/29 17:00, 丰台云岗, 36
2021/3/29 17:00,通州东关,39
2021/3/29 17:00,房山燕山,34
2021/3/29 17:00, 丰台小屯, 42
2021/3/29 18:00,万寿西宫,36
2021/3/29 18:00,东四,33
2021/3/29 18:00,天坛,36
2021/3/29 18:00,农展馆,39
2021/3/29 18:00,官园,30
2021/3/29 18:00, 顺义新城, 30
2021/3/29 18:00,怀柔镇,14
2021/3/29 18:00,昌平镇,46
2021/3/29 18:00, 奥体中心, 41
2021/3/29 18:00, 古城, 33
2021/3/29 18:00,海淀万柳,36
2021/3/29 18:00,定陵(对照点),65
2021/3/29 18:00,延庆夏都,12
2021/3/29 18:00,门头沟三家店,47
2021/3/29 18:00,大兴旧宫,32
2021/3/29 18:00,丰台云岗,39
2021/3/29 18:00,通州东关,38
2021/3/29 18:00,房山燕山,48
2021/3/29 18:00,延庆石河营,10
2021/3/29 18:00,怀柔新城,21
2021/3/29 18:00, 丰台小屯, 38
2021/3/29 19:00,万寿西宫,39
2021/3/29 19:00, 东四, 36
2021/3/29 19:00,天坛,40
2021/3/29 19:00,农展馆,40
2021/3/29 19:00,官园,40
2021/3/29 19:00,顺义新城,42
2021/3/29 19:00,怀柔镇,30
2021/3/29 19:00,昌平镇,34
2021/3/29 19:00, 奥体中心, 43
2021/3/29 19:00, 古城, 41
2021/3/29 19:00,海淀万柳,42
2021/3/29 19:00,密云镇,14
2021/3/29 19:00,定陵(对照点),44
2021/3/29 19:00,延庆夏都,21
2021/3/29 19:00,平谷新城,17
2021/3/29 19:00,密云新城,19
2021/3/29 19:00,门头沟三家店,37
2021/3/29 19:00,大兴旧宫,32
2021/3/29 19:00, 丰台云岗, 42
2021/3/29 19:00,通州东关,35
2021/3/29 19:00,房山燕山,43
2021/3/29 19:00,延庆石河营,21
2021/3/29 19:00,怀柔新城,37
2021/3/29 19:00, 丰台小屯, 40
2021/3/29 20:00,万寿西宫,39
2021/3/29 20:00, 东四, 34
2021/3/29 20:00,天坛,37
2021/3/29 20:00,农展馆,36
2021/3/29 20:00,官园,42
2021/3/29 20:00, 顺义新城,41
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2021/3/29 20:00,怀柔镇,39
2021/3/29 20:00,昌平镇,44
2021/3/29 20:00, 奥体中心, 45
2021/3/29 20:00, 古城, 45
2021/3/29 20:00,海淀万柳,44
2021/3/29 20:00,密云镇,22
2021/3/29 20:00,定陵(对照点),52
2021/3/29 20:00,延庆夏都,29
2021/3/29 20:00,平谷新城,25
2021/3/29 20:00,密云新城,36
2021/3/29 20:00,门头沟三家店,45
2021/3/29 20:00, 大兴旧宫, 30
2021/3/29 20:00, 丰台云岗, 46
2021/3/29 20:00,通州东关,38
2021/3/29 20:00,房山燕山,42
2021/3/29 20:00,延庆石河营,24
2021/3/29 20:00,怀柔新城,46
2021/3/29 20:00, 丰台小屯, 44
2021/3/29 21:00,万寿西宫,42
2021/3/29 21:00, 东四, 37
2021/3/29 21:00,天坛,38
2021/3/29 21:00,农展馆,38
2021/3/29 21:00,官园,39
2021/3/29 21:00, 顺义新城,42
2021/3/29 21:00, 怀柔镇, 44
2021/3/29 21:00,昌平镇,45
2021/3/29 21:00, 奥体中心, 47
2021/3/29 21:00,古城,45
2021/3/29 21:00,海淀万柳,45
2021/3/29 21:00,密云镇,34
2021/3/29 21:00,定陵(对照点),29
2021/3/29 21:00,延庆夏都,30
2021/3/29 21:00,平谷新城,28
2021/3/29 21:00,密云新城,31
2021/3/29 21:00,门头沟三家店,42
2021/3/29 21:00,大兴旧宫,35
2021/3/29 21:00, 丰台云岗, 46
2021/3/29 21:00,通州东关,37
2021/3/29 21:00,房山燕山,43
2021/3/29 21:00,延庆石河营,28
2021/3/29 21:00,怀柔新城,41
2021/3/29 21:00, 丰台小屯, 50
2021/3/29 22:00,万寿西宫,49
2021/3/29 22:00, 东四, 44
2021/3/29 22:00,天坛,42
2021/3/29 22:00,农展馆,44
2021/3/29 22:00,官园,44
2021/3/29 22:00,顺义新城,42
2021/3/29 22:00,怀柔镇,52
2021/3/29 22:00,昌平镇,35
2021/3/29 22:00, 奥体中心, 51
2021/3/29 22:00, 古城, 54
2021/3/29 22:00,海淀万柳,64
2021/3/29 22:00,密云镇,40
2021/3/29 22:00,定陵(对照点),36
2021/3/29 22:00,延庆夏都,31
2021/3/29 22:00,平谷新城,35
2021/3/29 22:00,密云新城,35
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2021/3/29 22:00,门头沟三家店,48
2021/3/29 22:00,大兴旧宫,37
2021/3/29 22:00, 丰台云岗, 47
2021/3/29 22:00,通州东关,39
2021/3/29 22:00,房山燕山,36
2021/3/29 22:00,延庆石河营,31
2021/3/29 22:00,怀柔新城,36
2021/3/29 22:00, 丰台小屯, 52
2021/3/29 23:00,万寿西宫,92
2021/3/29 23:00, 东四, 47
2021/3/29 23:00,天坛,56
2021/3/29 23:00,农展馆,54
2021/3/29 23:00,官园,44
2021/3/29 23:00, 顺义新城,47
2021/3/29 23:00,怀柔镇,36
2021/3/29 23:00,昌平镇,28
2021/3/29 23:00, 奥体中心, 57
2021/3/29 23:00,古城,66
2021/3/29 23:00,海淀万柳,72
2021/3/29 23:00,密云镇,25
2021/3/29 23:00,定陵(对照点),36
2021/3/29 23:00,延庆夏都,34
2021/3/29 23:00,平谷新城,43
2021/3/29 23:00,密云新城,33
2021/3/29 23:00,门头沟三家店,40
2021/3/29 23:00,大兴旧宫,50
2021/3/29 23:00,丰台云岗,47
2021/3/29 23:00,通州东关,47
2021/3/29 23:00,房山燕山,38
2021/3/29 23:00,延庆石河营,33
2021/3/29 23:00,怀柔新城,33
2021/3/29 23:00, 丰台小屯, 56
2021/3/30 0:00,万寿西宫,76
2021/3/30 0:00, 东四, 52
2021/3/30 0:00,天坛,56
2021/3/30 0:00,农展馆,56
2021/3/30 0:00,官园,46
2021/3/30 0:00, 顺义新城, 49
2021/3/30 0:00, 怀柔镇, 35
2021/3/30 0:00,昌平镇,25
2021/3/30 0:00, 奥体中心, 53
2021/3/30 0:00, 古城, 49
2021/3/30 0:00,海淀万柳,54
2021/3/30 0:00,密云镇,33
2021/3/30 0:00,定陵(对照点),31
2021/3/30 0:00,延庆夏都,31
2021/3/30 0:00,平谷新城,37
2021/3/30 0:00,密云新城,15
2021/3/30 0:00,门头沟三家店,33
2021/3/30 0:00,大兴旧宫,55
2021/3/30 0:00,丰台云岗,41
2021/3/30 0:00,通州东关,49
2021/3/30 0:00,房山燕山,31
2021/3/30 0:00,延庆石河营,31
2021/3/30 0:00,怀柔新城,32
2021/3/30 0:00, 丰台小屯, 57
2021/3/30 1:00,万寿西宫,66
2021/3/30 1:00, 东四, 54
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2021/3/30 1:00,天坛,57
2021/3/30 1:00,农展馆,53
2021/3/30 1:00,官园,47
2021/3/30 1:00, 顺义新城,51
2021/3/30 1:00,怀柔镇,29
2021/3/30 1:00,昌平镇,23
2021/3/30 1:00,奥体中心,51
2021/3/30 1:00,古城,54
2021/3/30 1:00,海淀万柳,54
2021/3/30 1:00,密云镇,22
2021/3/30 1:00,定陵(对照点),26
2021/3/30 1:00,延庆夏都,29
2021/3/30 1:00,平谷新城,29
2021/3/30 1:00,密云新城,11
2021/3/30 1:00,门头沟三家店,32
2021/3/30 1:00,大兴旧宫,60
2021/3/30 1:00, 丰台云岗, 40
2021/3/30 1:00,通州东关,55
2021/3/30 1:00,房山燕山,31
2021/3/30 1:00,延庆石河营,28
2021/3/30 1:00,怀柔新城,29
2021/3/30 1:00, 丰台小屯, 59
2021/3/30 2:00,万寿西宫,66
2021/3/30 2:00, 东四, 50
2021/3/30 2:00,天坛,59
2021/3/30 2:00,农展馆,54
2021/3/30 2:00,官园,41
2021/3/30 2:00, 顺义新城, 39
2021/3/30 2:00, 怀柔镇, 27
2021/3/30 2:00,昌平镇,25
2021/3/30 2:00, 奥体中心, 50
2021/3/30 2:00, 古城, 44
2021/3/30 2:00,海淀万柳,46
2021/3/30 2:00,密云镇,20
2021/3/30 2:00,定陵(对照点),19
2021/3/30 2:00,延庆夏都,27
2021/3/30 2:00,平谷新城,24
2021/3/30 2:00,门头沟三家店,29
2021/3/30 2:00,大兴旧宫,57
2021/3/30 2:00, 丰台云岗, 39
2021/3/30 2:00,通州东关,58
2021/3/30 2:00,房山燕山,30
2021/3/30 2:00,延庆石河营,28
2021/3/30 2:00,怀柔新城,29
2021/3/30 2:00, 丰台小屯, 59
2021/3/30 3:00,万寿西宫,64
2021/3/30 3:00, 东四, 47
2021/3/30 3:00,天坛,59
2021/3/30 3:00,农展馆,46
2021/3/30 3:00,官园,38
2021/3/30 3:00, 顺义新城, 21
2021/3/30 3:00,怀柔镇,24
2021/3/30 3:00,昌平镇,25
2021/3/30 3:00, 奥体中心, 49
2021/3/30 3:00,古城,41
2021/3/30 3:00,海淀万柳,45
2021/3/30 3:00,密云镇,15
2021/3/30 3:00,定陵(对照点),17
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2021/3/30 3:00,延庆夏都,20
2021/3/30 3:00,平谷新城,24
2021/3/30 3:00,密云新城,11
2021/3/30 3:00,门头沟三家店,22
2021/3/30 3:00,大兴旧宫,55
2021/3/30 3:00,丰台云岗,32
2021/3/30 3:00,通州东关,59
2021/3/30 3:00,房山燕山,29
2021/3/30 3:00,延庆石河营,25
2021/3/30 3:00,怀柔新城,26
2021/3/30 3:00, 丰台小屯, 55
2021/3/30 4:00,万寿西宫,58
2021/3/30 4:00, 东四, 37
2021/3/30 4:00,天坛,52
2021/3/30 4:00,农展馆,47
2021/3/30 4:00,官园,32
2021/3/30 4:00, 顺义新城, 17
2021/3/30 4:00,怀柔镇,23
2021/3/30 4:00, 奥体中心, 47
2021/3/30 4:00, 古城, 41
2021/3/30 4:00,海淀万柳,42
2021/3/30 4:00,密云镇,14
2021/3/30 4:00,延庆夏都,23
2021/3/30 4:00,平谷新城,25
2021/3/30 4:00,门头沟三家店,22
2021/3/30 4:00, 大兴旧宫, 50
2021/3/30 4:00, 丰台云岗, 26
2021/3/30 4:00,通州东关,52
2021/3/30 4:00,房山燕山,27
2021/3/30 4:00,延庆石河营,24
2021/3/30 4:00,怀柔新城,23
2021/3/30 4:00, 丰台小屯, 42
2021/3/30 5:00,万寿西宫,45
2021/3/30 5:00, 东四, 32
2021/3/30 5:00,天坛,43
2021/3/30 5:00,农展馆,30
2021/3/30 5:00,官园,31
2021/3/30 5:00, 顺义新城, 17
2021/3/30 5:00, 怀柔镇, 22
2021/3/30 5:00, 奥体中心,41
2021/3/30 5:00, 古城, 36
2021/3/30 5:00,海淀万柳,39
2021/3/30 5:00,密云镇,14
2021/3/30 5:00,延庆夏都,23
2021/3/30 5:00,平谷新城,25
2021/3/30 5:00,密云新城,12
2021/3/30 5:00,门头沟三家店,20
2021/3/30 5:00,大兴旧宫,45
2021/3/30 5:00,丰台云岗,21
2021/3/30 5:00,通州东关,42
2021/3/30 5:00,房山燕山,28
2021/3/30 5:00,延庆石河营,22
2021/3/30 5:00,怀柔新城,23
2021/3/30 5:00, 丰台小屯, 37
2021/3/30 6:00,万寿西宫,39
2021/3/30 6:00, 东四, 28
2021/3/30 6:00,天坛,36
2021/3/30 6:00,农展馆,19
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2021/3/30 6:00,官园,31
2021/3/30 6:00, 顺义新城,16
2021/3/30 6:00, 怀柔镇, 31
2021/3/30 6:00,昌平镇,13
2021/3/30 6:00, 奥体中心, 40
2021/3/30 6:00, 古城, 30
2021/3/30 6:00,海淀万柳,38
2021/3/30 6:00,密云镇,15
2021/3/30 6:00,延庆夏都,19
2021/3/30 6:00,平谷新城,26
2021/3/30 6:00,密云新城,13
2021/3/30 6:00,门头沟三家店,21
2021/3/30 6:00,大兴旧宫,56
2021/3/30 6:00, 丰台云岗, 20
2021/3/30 6:00,通州东关,37
2021/3/30 6:00,房山燕山,29
2021/3/30 6:00,延庆石河营,20
2021/3/30 6:00, 怀柔新城, 18
2021/3/30 6:00, 丰台小屯, 37
2021/3/30 7:00,万寿西宫,41
2021/3/30 7:00, 东四, 28
2021/3/30 7:00,天坛,32
2021/3/30 7:00,农展馆,28
2021/3/30 7:00,官园,31
2021/3/30 7:00, 顺义新城, 16
2021/3/30 7:00, 怀柔镇, 19
2021/3/30 7:00, 奥体中心, 30
2021/3/30 7:00, 古城, 33
2021/3/30 7:00,海淀万柳,40
2021/3/30 7:00, 密云镇, 15
2021/3/30 7:00,延庆夏都,17
2021/3/30 7:00,平谷新城,28
2021/3/30 7:00,密云新城,13
2021/3/30 7:00,门头沟三家店,20
2021/3/30 7:00,大兴旧宫,54
2021/3/30 7:00, 丰台云岗, 21
2021/3/30 7:00,通州东关,37
2021/3/30 7:00,房山燕山,31
2021/3/30 7:00,延庆石河营,17
2021/3/30 7:00, 怀柔新城, 19
2021/3/30 7:00, 丰台小屯, 43
2021/3/30 8:00,万寿西宫,38
2021/3/30 8:00, 东四, 21
2021/3/30 8:00,天坛,27
2021/3/30 8:00,农展馆,22
2021/3/30 8:00,官园,33
2021/3/30 8:00, 顺义新城, 16
2021/3/30 8:00,怀柔镇,18
2021/3/30 8:00,昌平镇,16
2021/3/30 8:00, 奥体中心, 19
2021/3/30 8:00, 古城, 32
2021/3/30 8:00,海淀万柳,40
2021/3/30 8:00,密云镇,18
2021/3/30 8:00,定陵(对照点),31
2021/3/30 8:00,延庆夏都,27
2021/3/30 8:00,平谷新城,30
2021/3/30 8:00,密云新城,13
2021/3/30 8:00,门头沟三家店,26
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2021/3/30 8:00,大兴旧宫,48
2021/3/30 8:00, 丰台云岗, 23
2021/3/30 8:00,通州东关,33
2021/3/30 8:00,房山燕山,31
2021/3/30 8:00,延庆石河营,21
2021/3/30 8:00,怀柔新城,21
2021/3/30 8:00, 丰台小屯, 42
2021/3/30 9:00, 万寿西宫, 37
2021/3/30 9:00, 东四, 20
2021/3/30 9:00,天坛,27
2021/3/30 9:00,农展馆,24
2021/3/30 9:00,官园,18
2021/3/30 9:00, 顺义新城, 18
2021/3/30 9:00, 怀柔镇, 17
2021/3/30 9:00,昌平镇,23
2021/3/30 9:00, 奥体中心, 18
2021/3/30 9:00, 古城, 26
2021/3/30 9:00,海淀万柳,32
2021/3/30 9:00,密云镇,18
2021/3/30 9:00,定陵(对照点),21
2021/3/30 9:00,延庆夏都,24
2021/3/30 9:00,平谷新城,32
2021/3/30 9:00,密云新城,13
2021/3/30 9:00,门头沟三家店,29
2021/3/30 9:00,大兴旧宫,43
2021/3/30 9:00, 丰台云岗, 31
2021/3/30 9:00,通州东关,36
2021/3/30 9:00,房山燕山,28
2021/3/30 9:00,延庆石河营,22
2021/3/30 9:00,怀柔新城,18
2021/3/30 9:00, 丰台小屯, 28
2021/3/30 10:00,万寿西宫,57
2021/3/30 10:00, 东四, 27
2021/3/30 10:00,天坛,29
2021/3/30 10:00,农展馆,39
2021/3/30 10:00,官园,19
2021/3/30 10:00, 顺义新城, 25
2021/3/30 10:00, 怀柔镇, 17
2021/3/30 10:00,昌平镇,34
2021/3/30 10:00,奥体中心,20
2021/3/30 10:00, 古城, 31
2021/3/30 10:00,海淀万柳,36
2021/3/30 10:00,密云镇,18
2021/3/30 10:00,定陵(对照点),47
2021/3/30 10:00,平谷新城,42
2021/3/30 10:00,门头沟三家店,20
2021/3/30 10:00, 大兴旧宫, 44
2021/3/30 10:00, 丰台云岗, 35
2021/3/30 10:00,通州东关,46
2021/3/30 10:00,房山燕山,40
2021/3/30 10:00,怀柔新城,17
2021/3/30 10:00, 丰台小屯, 26
2021/3/30 11:00,万寿西宫,89
2021/3/30 11:00, 东四, 89
2021/3/30 11:00,天坛,42
2021/3/30 11:00,农展馆,41
2021/3/30 11:00,官园,33
2021/3/30 11:00, 顺义新城, 37
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2021/3/30 11:00,怀柔镇,21
2021/3/30 11:00,昌平镇,25
2021/3/30 11:00, 奥体中心, 36
2021/3/30 11:00, 古城, 36
2021/3/30 11:00,海淀万柳,31
2021/3/30 11:00,密云镇,21
2021/3/30 11:00,定陵(对照点),49
2021/3/30 11:00,平谷新城,49
2021/3/30 11:00,密云新城,19
2021/3/30 11:00,门头沟三家店,33
2021/3/30 11:00, 大兴旧宫, 56
2021/3/30 11:00, 丰台云岗, 42
2021/3/30 11:00,通州东关,54
2021/3/30 11:00,房山燕山,45
2021/3/30 11:00,怀柔新城,20
2021/3/30 11:00, 丰台小屯, 36
2021/3/30 12:00,万寿西宫,103
2021/3/30 12:00, 东四, 103
2021/3/30 12:00,天坛,54
2021/3/30 12:00,农展馆,65
2021/3/30 12:00,官园,46
2021/3/30 12:00, 顺义新城,51
2021/3/30 12:00,怀柔镇,32
2021/3/30 12:00,昌平镇,42
2021/3/30 12:00, 奥体中心, 52
2021/3/30 12:00,海淀万柳,45
2021/3/30 12:00,密云镇,40
2021/3/30 12:00,定陵(对照点),47
2021/3/30 12:00,平谷新城,60
2021/3/30 12:00,密云新城,38
2021/3/30 12:00,门头沟三家店,42
2021/3/30 12:00, 大兴旧宫, 64
2021/3/30 12:00,丰台云岗,50
2021/3/30 12:00,通州东关,67
2021/3/30 12:00,房山燕山,51
2021/3/30 12:00,怀柔新城,31
2021/3/30 12:00, 丰台小屯, 52
2021/3/30 13:00,万寿西宫,100
2021/3/30 13:00, 东四, 64
2021/3/30 13:00,天坛,61
2021/3/30 13:00,农展馆,66
2021/3/30 13:00,官园,57
2021/3/30 13:00, 顺义新城, 54
2021/3/30 13:00,怀柔镇,45
2021/3/30 13:00,昌平镇,42
2021/3/30 13:00, 奥体中心, 59
2021/3/30 13:00, 古城, 60
2021/3/30 13:00,海淀万柳,57
2021/3/30 13:00,密云镇,61
2021/3/30 13:00,定陵(对照点),38
2021/3/30 13:00,延庆夏都,25
2021/3/30 13:00,平谷新城,74
2021/3/30 13:00,密云新城,60
2021/3/30 13:00,门头沟三家店,50
2021/3/30 13:00,大兴旧宫,72
2021/3/30 13:00, 丰台云岗, 56
2021/3/30 13:00,通州东关,74
2021/3/30 13:00,房山燕山,56
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2021/3/30 13:00,延庆石河营,25
2021/3/30 13:00,怀柔新城,43
2021/3/30 13:00, 丰台小屯, 60
2021/3/30 14:00,万寿西宫,110
2021/3/30 14:00, 东四, 110
2021/3/30 14:00,天坛,75
2021/3/30 14:00,农展馆,69
2021/3/30 14:00,官园,68
2021/3/30 14:00, 顺义新城,62
2021/3/30 14:00,怀柔镇,53
2021/3/30 14:00,昌平镇,54
2021/3/30 14:00, 奥体中心, 68
2021/3/30 14:00, 古城, 69
2021/3/30 14:00,海淀万柳,63
2021/3/30 14:00,密云镇,57
2021/3/30 14:00,延庆夏都,30
2021/3/30 14:00,平谷新城,65
2021/3/30 14:00,密云新城,59
2021/3/30 14:00,门头沟三家店,52
2021/3/30 14:00,大兴旧宫,79
2021/3/30 14:00, 丰台云岗, 62
2021/3/30 14:00,通州东关,82
2021/3/30 14:00,房山燕山,58
2021/3/30 14:00,延庆石河营,27
2021/3/30 14:00,怀柔新城,49
2021/3/30 14:00, 丰台小屯, 71
2021/3/30 15:00,,
2021/3/30 15:00,东00,,四,
2021/3/30 15:00,天坛,78
2021/3/30 15:00,农展馆,87
2021/3/30 15:00,官园,79
2021/3/30 15:00, 顺义新城,74
2021/3/30 15:00, 怀柔镇, 59
2021/3/30 15:00,昌平镇,58
2021/3/30 15:00, 奥体中心, 81
2021/3/30 15:00,古城,75
2021/3/30 15:00,海淀万柳,81
2021/3/30 15:00,密云镇,58
2021/3/30 15:00,定陵(对照点),64
2021/3/30 15:00,延庆夏都,40
2021/3/30 15:00,平谷新城,68
2021/3/30 15:00,密云新城,59
2021/3/30 15:00,门头沟三家店,71
2021/3/30 15:00, 大兴旧宫, 76
2021/3/30 15:00, 丰台云岗, 76
2021/3/30 15:00,通州东关,78
2021/3/30 15:00,房山燕山,72
2021/3/30 15:00,延庆石河营,37
2021/3/30 15:00,怀柔新城,53
2021/3/30 15:00,丰台小屯,83
2021/3/30 16:00,万寿西宫,94
2021/3/30 16:00,天坛,76
2021/3/30 16:00,农展馆,82
2021/3/30 16:00,官园,78
2021/3/30 16:00, 顺义新城,75
2021/3/30 16:00,怀柔镇,72
2021/3/30 16:00,昌平镇,68
2021/3/30 16:00, 奥体中心, 78
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2021/3/30 16:00, 古城, 78
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2021/3/30 16:00,定陵(对照点),75
2021/3/30 16:00,延庆夏都,49
2021/3/30 16:00,平谷新城,68
2021/3/30 16:00,密云新城,73
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2021/3/30 16:00, 大兴旧宫, 74
2021/3/30 16:00, 丰台云岗, 78
2021/3/30 16:00,通州东关,73
2021/3/30 16:00,房山燕山,86
2021/3/30 16:00,延庆石河营,45
2021/3/30 16:00, 怀柔新城, 64
2021/3/30 16:00, 丰台小屯, 82
2021/3/30 17:00,万寿西宫,101
2021/3/30 17:00, 东四, 115
2021/3/30 17:00,天坛,80
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2021/3/30 17:00,官园,78
2021/3/30 17:00, 顺义新城,71
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2021/3/30 17:00,门头沟三家店,116
2021/3/30 17:00,大兴旧宫,78
2021/3/30 17:00, 丰台云岗, 82
2021/3/30 17:00,通州东关,75
2021/3/30 17:00,房山燕山,90
2021/3/30 17:00,延庆石河营,52
2021/3/30 17:00,怀柔新城,66
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2021/3/30 18:00,万寿西宫,100
2021/3/30 18:00, 东四, 114
2021/3/30 18:00,天坛,82
2021/3/30 18:00,农展馆,92
2021/3/30 18:00,官园,84
2021/3/30 18:00, 顺义新城,74
2021/3/30 18:00, 怀柔镇, 76
2021/3/30 18:00,昌平镇,90
2021/3/30 18:00, 奥体中心, 90
2021/3/30 18:00, 古城, 104
2021/3/30 18:00,海淀万柳,93
2021/3/30 18:00,密云镇,64
2021/3/30 18:00,定陵(对照点),85
2021/3/30 18:00,延庆夏都,61
2021/3/30 18:00,平谷新城,64
2021/3/30 18:00,密云新城,72
2021/3/30 18:00,门头沟三家店,87
2021/3/30 18:00, 大兴旧宫, 77
2021/3/30 18:00, 丰台云岗, 82
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2021/3/30 18:00,怀柔新城,68
2021/3/30 18:00, 丰台小屯, 86
2021/3/30 19:00,万寿西宫,90
2021/3/30 19:00, 东四, 103
2021/3/30 19:00,天坛,74
2021/3/30 19:00,农展馆,81
2021/3/30 19:00,官园,75
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2021/3/30 19:00, 奥体中心, 84
2021/3/30 19:00,古城,98
2021/3/30 19:00,海淀万柳,106
2021/3/30 19:00,密云镇,67
2021/3/30 19:00,定陵(对照点),106
2021/3/30 19:00,延庆夏都,71
2021/3/30 19:00,平谷新城,64
2021/3/30 19:00,密云新城,76
2021/3/30 19:00,门头沟三家店,91
2021/3/30 19:00, 大兴旧宫, 75
2021/3/30 19:00, 丰台云岗, 78
2021/3/30 19:00,通州东关,81
2021/3/30 19:00,房山燕山,88
2021/3/30 19:00,延庆石河营,69
2021/3/30 19:00,怀柔新城,75
2021/3/30 19:00, 丰台小屯, 81
2021/3/30 20:00,万寿西宫,87
2021/3/30 20:00, 东四, 100
2021/3/30 20:00,天坛,74
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2021/3/30 20:00,官园,71
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2021/3/30 20:00, 奥体中心, 83
2021/3/30 20:00, 古城, 96
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2021/3/30 20:00,密云镇,77
2021/3/30 20:00,定陵(对照点),113
2021/3/30 20:00,延庆夏都,79
2021/3/30 20:00,平谷新城,70
2021/3/30 20:00,密云新城,88
2021/3/30 20:00,门头沟三家店,99
2021/3/30 20:00, 大兴旧宫, 74
2021/3/30 20:00, 丰台云岗, 78
2021/3/30 20:00,通州东关,80
2021/3/30 20:00,房山燕山,90
2021/3/30 20:00,延庆石河营,74
2021/3/30 20:00, 怀柔新城, 78
2021/3/30 20:00, 丰台小屯, 79
2021/3/30 21:00,万寿西宫,86
2021/3/30 21:00, 东四, 102
2021/3/30 21:00,天坛,75
2021/3/30 21:00,农展馆,77
2021/3/30 21:00,官园,68
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2021/3/30 21:00,怀柔镇,87
2021/3/30 21:00,昌平镇,84
2021/3/30 21:00, 奥体中心, 82
2021/3/30 21:00, 古城, 92
2021/3/30 21:00,海淀万柳,82
2021/3/30 21:00,密云镇,75
2021/3/30 21:00,定陵(对照点),80
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2021/3/30 21:00, 大兴旧宫, 74
2021/3/30 21:00, 丰台云岗, 73
2021/3/30 21:00,通州东关,82
2021/3/30 21:00,房山燕山,91
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2021/3/30 22:00,万寿西宫,86
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2021/3/30 22:00,天坛,75
2021/3/30 22:00,农展馆,78
2021/3/30 22:00,官园,70
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2021/3/30 22:00,古城,89
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2021/3/30 22:00,密云镇,74
2021/3/30 22:00,定陵(对照点),81
2021/3/30 22:00,延庆夏都,79
2021/3/30 22:00,平谷新城,64
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2021/3/30 22:00, 大兴旧宫, 73
2021/3/30 22:00, 丰台云岗, 77
2021/3/30 22:00,通州东关,80
2021/3/30 22:00,房山燕山,92
2021/3/30 22:00,延庆石河营,78
2021/3/30 22:00,怀柔新城,74
2021/3/30 22:00, 丰台小屯, 78
2021/3/30 23:00,万寿西宫,90
2021/3/30 23:00, 东四, 103
2021/3/30 23:00,天坛,75
2021/3/30 23:00,农展馆,83
2021/3/30 23:00,官园,76
2021/3/30 23:00,顺义新城,78
2021/3/30 23:00,怀柔镇,92
2021/3/30 23:00,昌平镇,78
2021/3/30 23:00, 奥体中心, 86
2021/3/30 23:00,古城,95
2021/3/30 23:00,海淀万柳,86
2021/3/30 23:00,密云镇,72
2021/3/30 23:00,定陵(对照点),76
2021/3/30 23:00,延庆夏都,83
2021/3/30 23:00,平谷新城,59
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2021/3/30 23:00,密云新城,82
2021/3/30 23:00,门头沟三家店,89
2021/3/30 23:00,大兴旧宫,73
2021/3/30 23:00, 丰台云岗, 83
2021/3/30 23:00,通州东关,77
2021/3/30 23:00,房山燕山,90
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2021/3/30 23:00,怀柔新城,74
2021/3/30 23:00, 丰台小屯, 81
2021/3/31 0:00,万寿西宫,93
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2021/3/31 0:00,农展馆,78
2021/3/31 0:00,官园,76
2021/3/31 0:00,顺义新城,72
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2021/3/31 0:00,密云镇,73
2021/3/31 0:00,定陵(对照点),84
2021/3/31 0:00,延庆夏都,83
2021/3/31 0:00,平谷新城,59
2021/3/31 0:00,密云新城,85
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2021/3/31 0:00, 大兴旧宫, 74
2021/3/31 0:00, 丰台云岗, 85
2021/3/31 0:00,通州东关,79
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2021/3/31 0:00,怀柔新城,74
2021/3/31 0:00, 丰台小屯, 85
2021/3/31 1:00,万寿西宫,93
2021/3/31 1:00, 东四, 105
2021/3/31 1:00,天坛,74
2021/3/31 1:00,农展馆,77
2021/3/31 1:00,官园,75
2021/3/31 1:00,顺义新城,75
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2021/3/31 1:00, 昌平镇, 79
2021/3/31 1:00, 奥体中心, 138
2021/3/31 1:00, 古城, 86
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2021/3/31 1:00,密云镇,71
2021/3/31 1:00,定陵(对照点),78
2021/3/31 1:00,延庆夏都,84
2021/3/31 1:00,平谷新城,60
2021/3/31 1:00,密云新城,79
2021/3/31 1:00,门头沟三家店,86
2021/3/31 1:00, 大兴旧宫, 75
2021/3/31 1:00, 丰台云岗, 86
2021/3/31 1:00,通州东关,76
2021/3/31 1:00,房山燕山,85
2021/3/31 1:00,延庆石河营,80
2021/3/31 1:00,怀柔新城,72
2021/3/31 1:00, 丰台小屯, 86
2021/3/31 2:00,万寿西宫,91
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2021/3/31 2:00, 东四, 80
2021/3/31 2:00,天坛,74
2021/3/31 2:00,农展馆,75
2021/3/31 2:00,官园,72
2021/3/31 2:00, 顺义新城,77
2021/3/31 2:00, 怀柔镇, 80
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2021/3/31 2:00,海淀万柳,85
2021/3/31 2:00,密云镇,70
2021/3/31 2:00,定陵(对照点),75
2021/3/31 2:00,延庆夏都,86
2021/3/31 2:00,平谷新城,60
2021/3/31 2:00,密云新城,73
2021/3/31 2:00,门头沟三家店,83
2021/3/31 2:00,大兴旧宫,77
2021/3/31 2:00,丰台云岗,84
2021/3/31 2:00,通州东关,76
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2021/3/31 2:00,延庆石河营,77
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2021/3/31 3:00,天坛,73
2021/3/31 3:00,农展馆,69
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2021/3/31 3:00, 顺义新城, 75
2021/3/31 3:00, 怀柔镇, 82
2021/3/31 3:00,昌平镇,71
2021/3/31 3:00, 奥体中心, 113
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2021/3/31 3:00,密云镇,66
2021/3/31 3:00,定陵(对照点),74
2021/3/31 3:00,延庆夏都,84
2021/3/31 3:00,平谷新城,59
2021/3/31 3:00,密云新城,73
2021/3/31 3:00,门头沟三家店,81
2021/3/31 3:00,大兴旧宫,78
2021/3/31 3:00, 丰台云岗, 82
2021/3/31 3:00,通州东关,81
2021/3/31 3:00,房山燕山,79
2021/3/31 3:00,延庆石河营,74
2021/3/31 3:00,怀柔新城,70
2021/3/31 3:00, 丰台小屯, 83
2021/3/31 4:00,万寿西宫,86
2021/3/31 4:00, 东四, 81
2021/3/31 4:00,天坛,72
2021/3/31 4:00,农展馆,75
2021/3/31 4:00,官园,70
2021/3/31 4:00,顺义新城,77
2021/3/31 4:00, 怀柔镇, 81
2021/3/31 4:00,昌平镇,64
2021/3/31 4:00, 奥体中心, 107
2021/3/31 4:00, 古城, 86
2021/3/31 4:00,海淀万柳,79
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2021/3/31 4:00,密云镇,65
2021/3/31 4:00,定陵(对照点),69
2021/3/31 4:00,延庆夏都,79
2021/3/31 4:00,平谷新城,58
2021/3/31 4:00,密云新城,72
2021/3/31 4:00,门头沟三家店,79
2021/3/31 4:00,大兴旧宫,78
2021/3/31 4:00, 丰台云岗, 79
2021/3/31 4:00,通州东关,83
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2021/3/31 5:00,天坛,70
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2021/3/31 5:00, 密云镇, 70
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2021/3/31 5:00,延庆夏都,75
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2021/3/31 5:00,大兴旧宫,78
2021/3/31 5:00, 丰台云岗, 75
2021/3/31 5:00,通州东关,81
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2021/3/31 5:00,延庆石河营,63
2021/3/31 5:00,怀柔新城,70
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2021/3/31 6:00, 昌平镇, 68
2021/3/31 6:00, 奥体中心, 95
2021/3/31 6:00, 古城, 81
2021/3/31 6:00,海淀万柳,79
2021/3/31 6:00,密云镇,69
2021/3/31 6:00,定陵(对照点),74
2021/3/31 6:00,延庆夏都,70
2021/3/31 6:00,平谷新城,58
2021/3/31 6:00,密云新城,71
2021/3/31 6:00,门头沟三家店,78
2021/3/31 6:00,大兴旧宫,80
2021/3/31 6:00, 丰台云岗,77
2021/3/31 6:00,通州东关,86
2021/3/31 6:00,房山燕山,78
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2021/3/31 6:00,延庆石河营,58
2021/3/31 6:00, 怀柔新城, 69
2021/3/31 6:00, 丰台小屯, 77
2021/3/31 7:00,万寿西宫,88
2021/3/31 7:00, 东四, 81
2021/3/31 7:00,天坛,80
2021/3/31 7:00,农展馆,71
2021/3/31 7:00,官园,75
2021/3/31 7:00, 顺义新城, 73
2021/3/31 7:00,怀柔镇,78
2021/3/31 7:00,昌平镇,63
2021/3/31 7:00, 奥体中心, 104
2021/3/31 7:00, 古城, 82
2021/3/31 7:00,海淀万柳,78
2021/3/31 7:00,密云镇,64
2021/3/31 7:00,定陵(对照点),66
2021/3/31 7:00,延庆夏都,71
2021/3/31 7:00,平谷新城,61
2021/3/31 7:00,密云新城,71
2021/3/31 7:00,门头沟三家店,79
2021/3/31 7:00,大兴旧宫,82
2021/3/31 7:00, 丰台云岗, 79
2021/3/31 7:00,通州东关,81
2021/3/31 7:00,房山燕山,80
2021/3/31 7:00,延庆石河营,61
2021/3/31 7:00,怀柔新城,68
2021/3/31 7:00, 丰台小屯, 80
2021/3/31 8:00,万寿西宫,93
2021/3/31 8:00, 东四, 86
2021/3/31 8:00,,
2021/3/31 8:00,农展馆,78
2021/3/31 8:00,官园,81
2021/3/31 8:00, 顺义新城,73
2021/3/31 8:00, 怀柔镇, 86
2021/3/31 8:00,昌平镇,72
2021/3/31 8:00, 奥体中心, 97
2021/3/31 8:00, 古城, 86
2021/3/31 8:00,海淀万柳,83
2021/3/31 8:00,密云镇,70
2021/3/31 8:00,定陵(对照点),72
2021/3/31 8:00,延庆夏都,81
2021/3/31 8:00,平谷新城,71
2021/3/31 8:00,密云新城,73
2021/3/31 8:00,门头沟三家店,89
2021/3/31 8:00,大兴旧宫,88
2021/3/31 8:00, 丰台云岗, 82
2021/3/31 8:00,通州东关,78
2021/3/31 8:00,房山燕山,85
2021/3/31 8:00,延庆石河营,75
2021/3/31 8:00,怀柔新城,70
2021/3/31 8:00, 丰台小屯, 86
2021/3/31 8:00,万寿西宫,93
2021/3/31 8:00, 东四, 86
2021/3/31 8:00,,
2021/3/31 8:00,农展馆,78
2021/3/31 8:00,官园,81
2021/3/31 8:00,顺义新城,73
2021/3/31 8:00, 怀柔镇, 86
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2021/3/31 8:00,昌平镇,72
2021/3/31 8:00, 奥体中心, 97
2021/3/31 8:00, 古城, 86
2021/3/31 8:00,海淀万柳,83
2021/3/31 8:00,密云镇,70
2021/3/31 8:00,定陵(对照点),72
2021/3/31 8:00,延庆夏都,81
2021/3/31 8:00,平谷新城,71
2021/3/31 8:00,密云新城,73
2021/3/31 8:00,门头沟三家店,89
2021/3/31 8:00,大兴旧宫,88
2021/3/31 8:00,丰台云岗,82
2021/3/31 8:00,通州东关,78
2021/3/31 8:00,房山燕山,85
2021/3/31 8:00,延庆石河营,75
2021/3/31 8:00,怀柔新城,70
2021/3/31 8:00, 丰台小屯, 86
2021/3/31 10:00,万寿西宫,95
2021/3/31 10:00, 东四, 85
2021/3/31 10:00,天坛,83
2021/3/31 10:00,农展馆,81
2021/3/31 10:00,官园,75
2021/3/31 10:00, 顺义新城, 75
2021/3/31 10:00,怀柔镇,81
2021/3/31 10:00,昌平镇,94
2021/3/31 10:00, 奥体中心, 88
2021/3/31 10:00,古城,91
2021/3/31 10:00,海淀万柳,79
2021/3/31 10:00,密云镇,74
2021/3/31 10:00,定陵(对照点),38
2021/3/31 10:00,延庆夏都,87
2021/3/31 10:00,平谷新城,79
2021/3/31 10:00,密云新城,75
2021/3/31 10:00,门头沟三家店,87
2021/3/31 10:00, 大兴旧宫, 90
2021/3/31 10:00, 丰台云岗, 86
2021/3/31 10:00,通州东关,82
2021/3/31 10:00,房山燕山,91
2021/3/31 10:00,延庆石河营,82
2021/3/31 10:00,怀柔新城,73
2021/3/31 10:00, 丰台小屯, 87
2021/3/31 11:00,万寿西宫,82
2021/3/31 11:00,东四,76
2021/3/31 11:00,天坛,69
2021/3/31 11:00,农展馆,77
2021/3/31 11:00,官园,65
2021/3/31 11:00, 顺义新城,62
2021/3/31 11:00,怀柔镇,56
2021/3/31 11:00,昌平镇,72
2021/3/31 11:00, 奥体中心, 80
2021/3/31 11:00, 古城, 70
2021/3/31 11:00,海淀万柳,68
2021/3/31 11:00,密云镇,48
2021/3/31 11:00,定陵(对照点),22
2021/3/31 11:00,延庆夏都,87
2021/3/31 11:00,平谷新城,48
2021/3/31 11:00,密云新城,47
2021/3/31 11:00,门头沟三家店,45
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2021/3/31 11:00, 大兴旧宫, 65
2021/3/31 11:00,丰台云岗,70
2021/3/31 11:00,通州东关,75
2021/3/31 11:00,房山燕山,71
2021/3/31 11:00,延庆石河营,80
2021/3/31 11:00,怀柔新城,43
2021/3/31 11:00, 丰台小屯, 59
2021/3/31 11:00,万寿西宫,82
2021/3/31 11:00,东四,76
2021/3/31 11:00,天坛,69
2021/3/31 11:00,农展馆,77
2021/3/31 11:00,官园,65
2021/3/31 11:00, 顺义新城,62
2021/3/31 11:00,怀柔镇,56
2021/3/31 11:00,昌平镇,72
2021/3/31 11:00, 奥体中心, 80
2021/3/31 11:00,古城,70
2021/3/31 11:00,海淀万柳,68
2021/3/31 11:00,密云镇,48
2021/3/31 11:00,定陵(对照点),22
2021/3/31 11:00,延庆夏都,87
2021/3/31 11:00,平谷新城,48
2021/3/31 11:00,密云新城,47
2021/3/31 11:00,门头沟三家店,45
2021/3/31 11:00,大兴旧宫,65
2021/3/31 11:00, 丰台云岗, 70
2021/3/31 11:00,通州东关,75
2021/3/31 11:00,房山燕山,71
2021/3/31 11:00,延庆石河营,80
2021/3/31 11:00,怀柔新城,43
2021/3/31 11:00, 丰台小屯, 59
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2021/3/31 13:00, 东四, 42
2021/3/31 13:00,天坛,40
2021/3/31 13:00,官园,36
2021/3/31 13:00, 顺义新城, 25
2021/3/31 13:00,怀柔镇,18
2021/3/31 13:00, 奥体中心, 67
2021/3/31 13:00, 古城, 42
2021/3/31 13:00,海淀万柳,46
2021/3/31 13:00,密云镇,25
2021/3/31 13:00,定陵(对照点),21
2021/3/31 13:00,延庆夏都,33
2021/3/31 13:00,平谷新城,20
2021/3/31 13:00,密云新城,26
2021/3/31 13:00,门头沟三家店,35
2021/3/31 13:00,大兴旧宫,38
2021/3/31 13:00, 丰台云岗, 29
2021/3/31 13:00,通州东关,23
2021/3/31 13:00,房山燕山,45
2021/3/31 13:00, 丰台小屯, 42
2021/3/31 14:00,万寿西宫,36
2021/3/31 14:00, 东四, 26
2021/3/31 14:00,天坛,28
2021/3/31 14:00, 顺义新城, 20
2021/3/31 14:00,怀柔镇,15
2021/3/31 14:00, 昌平镇, 14
2021/3/31 14:00, 奥体中心, 53
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2021/3/31 14:00, 古城, 34
2021/3/31 14:00,海淀万柳,36
2021/3/31 14:00,定陵(对照点),25
2021/3/31 14:00,门头沟三家店,35
2021/3/31 14:00, 大兴旧宫, 27
2021/3/31 14:00, 丰台云岗, 31
2021/3/31 14:00,通州东关,21
2021/3/31 14:00,房山燕山,46
2021/3/31 14:00, 丰台小屯, 32
2021/3/31 15:00, 东四, 19
2021/3/31 15:00,天坛,18
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2021/3/31 15:00,昌平镇,21
2021/3/31 15:00,古城,32
2021/3/31 15:00,海淀万柳,32
2021/3/31 15:00,定陵(对照点),27
2021/3/31 15:00,门头沟三家店,30
2021/3/31 15:00, 丰台云岗, 26
2021/3/31 15:00,通州东关,19
2021/3/31 15:00,房山燕山,44
2021/3/31 15:00, 丰台小屯, 31
2021/3/31 16:00,万寿西宫,21
2021/3/31 16:00, 东四, 17
2021/3/31 16:00,天坛,18
2021/3/31 16:00,官园,26
2021/3/31 16:00,昌平镇,31
2021/3/31 16:00, 奥体中心, 17
2021/3/31 16:00, 古城, 27
2021/3/31 16:00,定陵(对照点),29
2021/3/31 16:00,平谷新城,21
2021/3/31 16:00,门头沟三家店,28
2021/3/31 16:00, 大兴旧宫, 18
2021/3/31 16:00,丰台云岗,24
2021/3/31 16:00,房山燕山,33
2021/3/31 16:00, 丰台小屯, 23
2021/3/31 17:00,万寿西宫,18
2021/3/31 17:00,天坛,14
2021/3/31 17:00,农展馆,15
2021/3/31 17:00,官园,23
2021/3/31 17:00, 古城, 20
2021/3/31 17:00,海淀万柳,16
2021/3/31 17:00,延庆夏都,13
2021/3/31 17:00,平谷新城,21
2021/3/31 17:00,门头沟三家店,22
2021/3/31 17:00, 大兴旧宫, 14
2021/3/31 17:00, 丰台云岗, 18
2021/3/31 17:00,房山燕山,30
2021/3/31 17:00, 丰台小屯, 18
2021/3/31 18:00,农展馆,14
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2021/3/31 18:00, 昌平镇, 13
2021/3/31 18:00, 奥体中心, 37
2021/3/31 18:00, 古城, 18
2021/3/31 18:00,定陵(对照点),49
2021/3/31 18:00,延庆夏都,13
2021/3/31 18:00,平谷新城,42
2021/3/31 18:00,门头沟三家店,18
2021/3/31 18:00, 丰台云岗, 15
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2021/3/31 18:00,通州东关,14
2021/3/31 18:00,房山燕山,29
2021/3/31 18:00,延庆石河营,14
2021/3/31 18:00,丰台小屯,15
2021/3/31 19:00, 东四, 14
2021/3/31 19:00,天坛,11
2021/3/31 19:00,农展馆,17
2021/3/31 19:00,顺义新城,11
2021/3/31 19:00,奥体中心,29
2021/3/31 19:00, 古城, 16
2021/3/31 19:00,定陵(对照点),52
2021/3/31 19:00,延庆夏都,11
2021/3/31 19:00,平谷新城,45
2021/3/31 19:00,门头沟三家店,15
2021/3/31 19:00,大兴旧宫,11
2021/3/31 19:00,丰台云岗,14
2021/3/31 19:00,通州东关,15
2021/3/31 19:00,房山燕山,30
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