

Class 19

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Background

Pertussis (a.k.a Whooping Cough) is a highly infectious lung infection caused by the bacteria *B. pertussis*.

The CDC tracks case numbers in the US and makes this data available online:

Q1. With the help of the R “addin” package datapasta assign the CDC pertussis case number data to a data frame called `cdc` and use `ggplot` to make a plot of cases numbers over time.

```
cdc <- data.frame(
  year = c(1922L,1923L,1924L,1925L,
           1926L,1927L,1928L,1929L,1930L,1931L,
           1932L,1933L,1934L,1935L,1936L,
           1937L,1938L,1939L,1940L,1941L,1942L,
           1943L,1944L,1945L,1946L,1947L,
           1948L,1949L,1950L,1951L,1952L,
           1953L,1954L,1955L,1956L,1957L,1958L,
           1959L,1960L,1961L,1962L,1963L,
           1964L,1965L,1966L,1967L,1968L,1969L,
```

```

1970L, 1971L, 1972L, 1973L, 1974L,
1975L, 1976L, 1977L, 1978L, 1979L, 1980L,
1981L, 1982L, 1983L, 1984L, 1985L,
1986L, 1987L, 1988L, 1989L, 1990L,
1991L, 1992L, 1993L, 1994L, 1995L, 1996L,
1997L, 1998L, 1999L, 2000L, 2001L,
2002L, 2003L, 2004L, 2005L, 2006L, 2007L,
2008L, 2009L, 2010L, 2011L, 2012L,
2013L, 2014L, 2015L, 2016L, 2017L, 2018L,
2019L, 2020L, 2021L, 2022L, 2023L),

cases = c(107473, 164191, 165418, 152003,
202210, 181411, 161799, 197371,
166914, 172559, 215343, 179135, 265269,
180518, 147237, 214652, 227319, 103188,
183866, 222202, 191383, 191890, 109873,
133792, 109860, 156517, 74715, 69479,
120718, 68687, 45030, 37129, 60886,
62786, 31732, 28295, 32148, 40005,
14809, 11468, 17749, 17135, 13005, 6799,
7717, 9718, 4810, 3285, 4249, 3036,
3287, 1759, 2402, 1738, 1010, 2177, 2063,
1623, 1730, 1248, 1895, 2463, 2276,
3589, 4195, 2823, 3450, 4157, 4570,
2719, 4083, 6586, 4617, 5137, 7796, 6564,
7405, 7298, 7867, 7580, 9771, 11647,
25827, 25616, 15632, 10454, 13278,
16858, 27550, 18719, 48277, 28639, 32971,
20762, 17972, 18975, 15609, 18617,
6124, 2116, 3044, 7063)

)

```

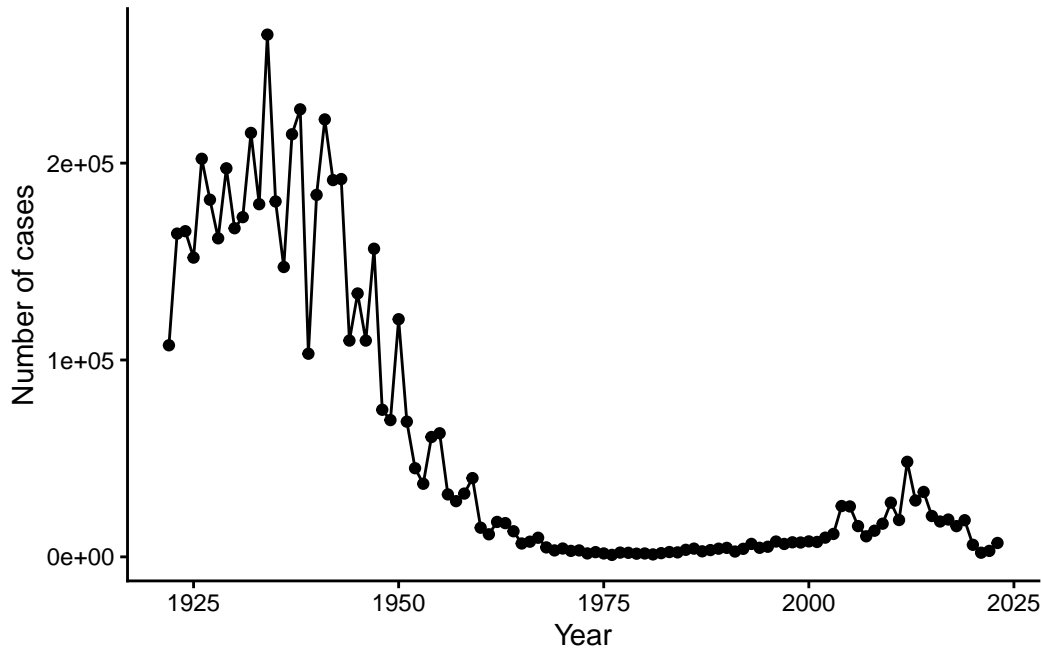
```

library(ggplot2)

cdcgraph <- ggplot(cdc) +
  aes(year, cases) +
  geom_point() +
  geom_line() +
  labs(x="Year", y="Number of cases") +
  theme_classic()

cdcgraph

```

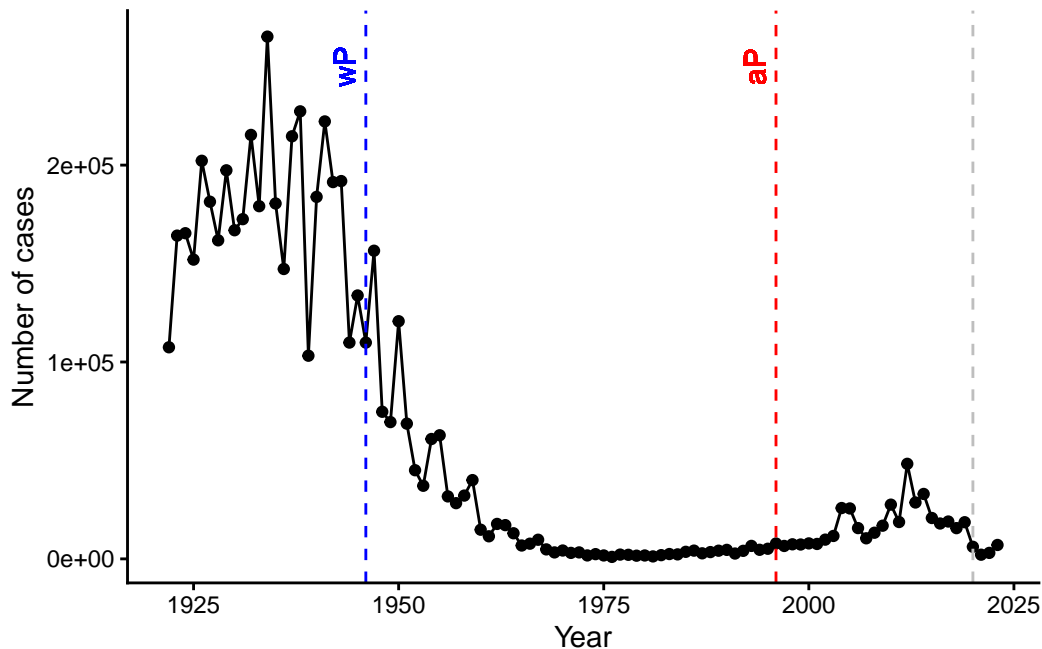


Q2. Using the ggplot `geom_vline()` function add lines to your previous plot for the 1946 introduction of the wP vaccine and the 1996 switch to aP vaccine (see example in the hint below). What do you notice?

```
cdcgraph +
  geom_vline(xintercept = 1946, linetype="dashed", color = "blue") +
  geom_vline(xintercept = 1996, linetype="dashed", color = "red") +
  geom_vline(xintercept = 2020, linetype="dashed", color = "grey") +
  geom_text(aes(x=1946, y=250000, label="wP"),
            angle=90, vjust = -0.5, color="blue") +
  geom_text(aes(x=1996, y=250000, label="aP"),
            angle=90, vjust = -0.5, color="red")
```

Warning in `geom_text(aes(x = 1946, y = 250000, label = "wP"), angle = 90, : All aesthetics have been used. Please consider using `annotate()` or provide this layer with data containing a single row.`

Warning in `geom_text(aes(x = 1996, y = 250000, label = "aP"), angle = 90, : All aesthetics have been used. Please consider using `annotate()` or provide this layer with data containing a single row.`



Q3. Describe what happened after the introduction of the aP vaccine? Do you have a possible explanation for the observed trend?

Maybe the vaccine wasn't as effective as hoped, or there were changes in vaccination rates, pathogen evolution, or reporting practices. Further investigation would be needed to determine the exact cause.

The CMI-PB Project

The CMI-PB project is a collaboration between researchers at UCSD and the Scripps Institution of Oceanography to study the microbial communities in the coastal waters of Southern California. The project involves collecting water samples from various locations along the coast and analyzing the microbial DNA using high-throughput sequencing techniques.

They make their data available via a JSON format running API. We can read JSON format with the `read_json` function from the `jsonlite` R package..

```
library(jsonlite)
```

Warning: package 'jsonlite' was built under R version 4.5.2

```
subject <- read_json("https://www.cmi-pb.org/api/subject", simplifyVector = TRUE)
head(subject, 3)
```

```
  subject_id infancy_vac biological_sex ethnicity race
1          1          wP      Female Not Hispanic or Latino White
2          2          wP      Female Not Hispanic or Latino White
3          3          wP      Female      Unknown White
  year_of_birth date_of_boost      dataset
1  1986-01-01   2016-09-12 2020_dataset
2  1968-01-01   2019-01-28 2020_dataset
3  1983-01-01   2016-10-10 2020_dataset
```

Q4. How many aP and wP infancy vaccinated subjects are in the dataset?

```
table(subject$infancy_vac)
```

```
aP wP
87 85
```

```
subject$infancy_vac
```

```
[1] "wP" "wP" "wP" "wP" "wP" "wP" "wP" "wP" "aP" "wP" "wP" "wP" "aP" "wP" "wP"
[16] "wP" "wP" "aP" "wP" "wP" "wP" "wP" "wP" "wP" "wP" "wP" "aP" "wP" "aP" "wP"
[31] "wP" "aP" "wP" "wP" "wP" "aP" "aP" "aP" "wP" "wP" "wP" "aP" "aP" "aP" "aP"
[46] "aP" "aP" "aP" "aP" "aP" "aP" "aP" "aP" "aP" "aP" "aP" "aP" "aP" "aP" "aP"
[61] "wP" "wP" "wP" "wP" "wP" "wP" "wP" "wP" "wP" "aP" "aP" "wP" "wP" "wP" "aP"
[76] "aP" "wP" "wP" "wP" "wP" "wP" "aP" "aP" "aP" "aP" "aP" "aP" "aP" "aP" "aP"
[91] "aP" "aP" "aP" "aP" "aP" "aP" "wP" "wP" "aP" "aP" "aP" "aP" "wP" "wP" "wP"
[106] "aP" "aP" "wP" "wP" "aP" "wP" "aP" "aP" "wP" "aP" "aP" "aP" "aP" "aP" "wP"
[121] "aP" "aP" "wP" "aP" "wP" "wP" "aP" "wP" "wP" "wP" "aP" "wP" "aP" "wP" "wP"
[136] "wP" "aP" "aP" "wP" "aP" "wP" "aP" "aP" "aP" "aP" "wP" "aP" "wP" "wP" "wP"
[151] "wP" "wP" "aP" "aP" "aP" "aP" "aP" "aP" "wP" "aP" "aP" "aP" "wP" "wP" "wP"
[166] "aP" "aP" "wP" "aP" "wP" "wP" "wP"
```

Q5. How many Male and Female subjects/patients are in the dataset?

```
table(subject$biological_sex)
```

Female	Male
112	60

Q6. What is the breakdown of race and biological sex (e.g. number of Asian females, White males etc...)?

```
table(subject$race, subject$biological_sex)
```

	Female	Male
American Indian/Alaska Native	0	1
Asian	32	12
Black or African American	2	3
More Than One Race	15	4
Native Hawaiian or Other Pacific Islander	1	1
Unknown or Not Reported	14	7
White	48	32

Let's read more tables

```
library(jsonlite)
specimen <- read_json("https://www.cmi-pb.org/api/v5_1/specimen", simplifyVector = TRUE)
ab_titer <- read_json("https://www.cmi-pb.org/api/v5_1/plasma_ab_titer", simplifyVector = TRUE)
```

Join (or link, or merge) using the

```
library(dplyr)
```

Attaching package: 'dplyr'

The following objects are masked from 'package:stats':

filter, lag

The following objects are masked from 'package:base':

intersect, setdiff, setequal, union

```
meta <- inner_join(subject, specimen)
```

Joining with `by = join_by(subject_id)`

```
head(meta)
```

	subject_id	infancy_vac	biological_sex	ethnicity	race
1	1	wP	Female	Not Hispanic or Latino	White
2	1	wP	Female	Not Hispanic or Latino	White
3	1	wP	Female	Not Hispanic or Latino	White
4	1	wP	Female	Not Hispanic or Latino	White
5	1	wP	Female	Not Hispanic or Latino	White
6	1	wP	Female	Not Hispanic or Latino	White

	year_of_birth	date_of_boost	dataset	specimen_id
1	1986-01-01	2016-09-12	2020_dataset	1
2	1986-01-01	2016-09-12	2020_dataset	2
3	1986-01-01	2016-09-12	2020_dataset	3
4	1986-01-01	2016-09-12	2020_dataset	4
5	1986-01-01	2016-09-12	2020_dataset	5
6	1986-01-01	2016-09-12	2020_dataset	6

	actual_day_relative_to_boost	planned_day_relative_to_boost	specimen_type
1	-3	0	Blood
2	1	1	Blood
3	3	3	Blood
4	7	7	Blood
5	11	14	Blood
6	32	30	Blood

	visit
1	1
2	2
3	3
4	4
5	5
6	6

```
ab_data <- inner_join(meta, ab_titer)
```

Joining with `by = join_by(specimen_id)`

```
head(ab_data)
```

	subject_id	infancy_vac	biological_sex	ethnicity	race
1	1	wP	Female Not Hispanic or Latino	White	
2	1	wP	Female Not Hispanic or Latino	White	
3	1	wP	Female Not Hispanic or Latino	White	
4	1	wP	Female Not Hispanic or Latino	White	
5	1	wP	Female Not Hispanic or Latino	White	
6	1	wP	Female Not Hispanic or Latino	White	

	year_of_birth	date_of_boost	dataset	specimen_id
1	1986-01-01	2016-09-12	2020_dataset	1
2	1986-01-01	2016-09-12	2020_dataset	1
3	1986-01-01	2016-09-12	2020_dataset	1
4	1986-01-01	2016-09-12	2020_dataset	1
5	1986-01-01	2016-09-12	2020_dataset	1
6	1986-01-01	2016-09-12	2020_dataset	1

	actual_day_relative_to_boost	planned_day_relative_to_boost	specimen_type
1	-3	0	Blood
2	-3	0	Blood
3	-3	0	Blood
4	-3	0	Blood
5	-3	0	Blood
6	-3	0	Blood

	visit	isotype	is_antigen_specific	antigen	MFI	MFI_normalised	unit
1	1	IgE	FALSE	Total	1110.21154	2.493425	UG/ML
2	1	IgE	FALSE	Total	2708.91616	2.493425	IU/ML
3	1	IgG	TRUE	PT	68.56614	3.736992	IU/ML
4	1	IgG	TRUE	PRN	332.12718	2.602350	IU/ML
5	1	IgG	TRUE	FHA	1887.12263	34.050956	IU/ML
6	1	IgE	TRUE	ACT	0.10000	1.000000	IU/ML

	lower_limit_of_detection
1	2.096133
2	29.170000
3	0.530000
4	6.205949
5	4.679535
6	2.816431

Q11. How many specimens (i.e. entries in abdata) do we have for each isotype?


```
head(ab_data$isotype)
```

```
[1] "IgE" "IgE" "IgG" "IgG" "IgG" "IgE"
```

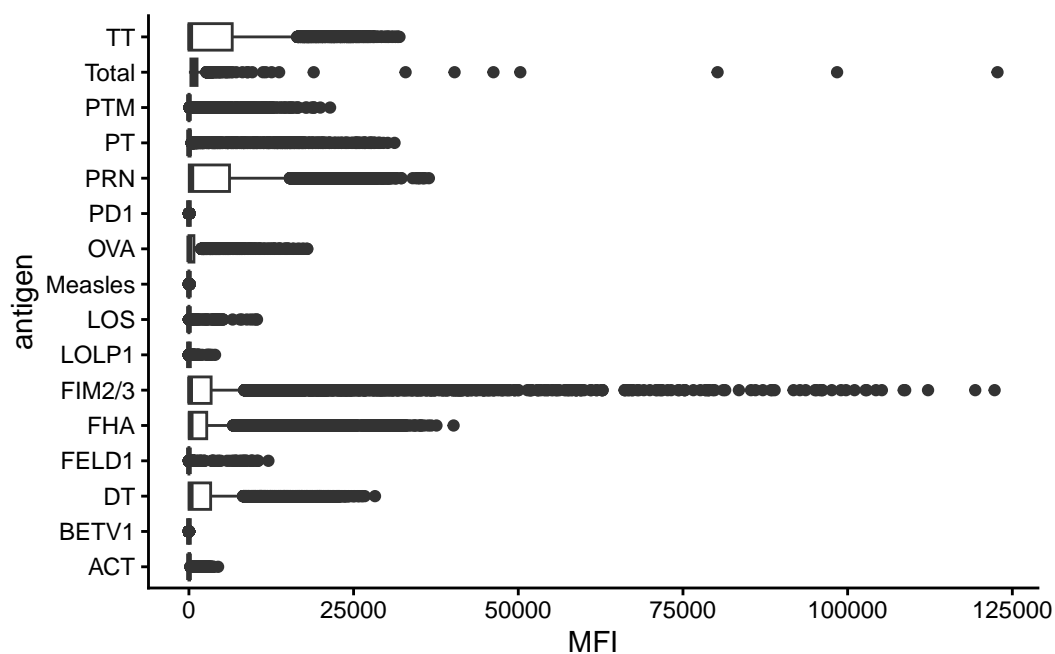
How many different antigens are there in the dataset?

```
unique(ab_data$antigen)
```

```
[1] "Total" "PT" "PRN" "FHA" "ACT" "LOS" "FELD1"  
[8] "BETV1" "LOLP1" "Measles" "PTM" "FIM2/3" "TT" "DT"  
[15] "OVA" "PD1"
```

```
ggplot(ab_data) +  
  aes(MFI,antigen) +  
  geom_boxplot() +  
  theme_classic()
```

Warning: Removed 1 row containing non-finite outside the scale range (`stat_boxplot()`).



Focus in IgG

IgG is crucial for long-term immunity and responding to bacterial and viral infections

```
ab_data |>
  filter(isotype == "IgG") -> igg_data
igg_data
```

	subject_id	infancy_vac	biological_sex	ethnicity
1	1	wP	Female Not Hispanic or Latino	
2	1	wP	Female Not Hispanic or Latino	
3	1	wP	Female Not Hispanic or Latino	
4	1	wP	Female Not Hispanic or Latino	
5	1	wP	Female Not Hispanic or Latino	
6	1	wP	Female Not Hispanic or Latino	
7	1	wP	Female Not Hispanic or Latino	
8	1	wP	Female Not Hispanic or Latino	
9	1	wP	Female Not Hispanic or Latino	
10	1	wP	Female Not Hispanic or Latino	
11	1	wP	Female Not Hispanic or Latino	
12	1	wP	Female Not Hispanic or Latino	
13	1	wP	Female Not Hispanic or Latino	
14	1	wP	Female Not Hispanic or Latino	
15	1	wP	Female Not Hispanic or Latino	
16	1	wP	Female Not Hispanic or Latino	
17	1	wP	Female Not Hispanic or Latino	
18	1	wP	Female Not Hispanic or Latino	
19	1	wP	Female Not Hispanic or Latino	
20	1	wP	Female Not Hispanic or Latino	
21	1	wP	Female Not Hispanic or Latino	
22	3	wP	Female	Unknown
23	3	wP	Female	Unknown
24	3	wP	Female	Unknown
25	3	wP	Female	Unknown
26	3	wP	Female	Unknown
27	3	wP	Female	Unknown
28	3	wP	Female	Unknown
29	3	wP	Female	Unknown
30	3	wP	Female	Unknown
31	3	wP	Female	Unknown
32	3	wP	Female	Unknown
33	3	wP	Female	Unknown

34	3	wP	Female	Unknown
35	3	wP	Female	Unknown
36	3	wP	Female	Unknown
37	3	wP	Female	Unknown
38	3	wP	Female	Unknown
39	3	wP	Female	Unknown
40	3	wP	Female	Unknown
41	3	wP	Female	Unknown
42	3	wP	Female	Unknown
43	4	wP	Male Not Hispanic or Latino	
44	4	wP	Male Not Hispanic or Latino	
45	4	wP	Male Not Hispanic or Latino	
46	4	wP	Male Not Hispanic or Latino	
47	4	wP	Male Not Hispanic or Latino	
48	4	wP	Male Not Hispanic or Latino	
49	4	wP	Male Not Hispanic or Latino	
50	4	wP	Male Not Hispanic or Latino	
51	4	wP	Male Not Hispanic or Latino	
52	4	wP	Male Not Hispanic or Latino	
53	4	wP	Male Not Hispanic or Latino	
54	4	wP	Male Not Hispanic or Latino	
55	4	wP	Male Not Hispanic or Latino	
56	4	wP	Male Not Hispanic or Latino	
57	4	wP	Male Not Hispanic or Latino	
58	4	wP	Male Not Hispanic or Latino	
59	4	wP	Male Not Hispanic or Latino	
60	4	wP	Male Not Hispanic or Latino	
61	4	wP	Male Not Hispanic or Latino	
62	4	wP	Male Not Hispanic or Latino	
63	4	wP	Male Not Hispanic or Latino	
64	5	wP	Male Not Hispanic or Latino	
65	5	wP	Male Not Hispanic or Latino	
66	5	wP	Male Not Hispanic or Latino	
67	5	wP	Male Not Hispanic or Latino	
68	5	wP	Male Not Hispanic or Latino	
69	5	wP	Male Not Hispanic or Latino	
70	5	wP	Male Not Hispanic or Latino	
71	5	wP	Male Not Hispanic or Latino	
72	5	wP	Male Not Hispanic or Latino	
73	5	wP	Male Not Hispanic or Latino	
74	5	wP	Male Not Hispanic or Latino	
75	5	wP	Male Not Hispanic or Latino	
76	5	wP	Male Not Hispanic or Latino	

77	5	wP	Male Not Hispanic or Latino
78	5	wP	Male Not Hispanic or Latino
79	5	wP	Male Not Hispanic or Latino
80	5	wP	Male Not Hispanic or Latino
81	5	wP	Male Not Hispanic or Latino
82	5	wP	Male Not Hispanic or Latino
83	5	wP	Male Not Hispanic or Latino
84	5	wP	Male Not Hispanic or Latino
85	6	wP	Female Not Hispanic or Latino
86	6	wP	Female Not Hispanic or Latino
87	6	wP	Female Not Hispanic or Latino
88	6	wP	Female Not Hispanic or Latino
89	6	wP	Female Not Hispanic or Latino
90	6	wP	Female Not Hispanic or Latino
91	6	wP	Female Not Hispanic or Latino
92	6	wP	Female Not Hispanic or Latino
93	6	wP	Female Not Hispanic or Latino
94	6	wP	Female Not Hispanic or Latino
95	6	wP	Female Not Hispanic or Latino
96	6	wP	Female Not Hispanic or Latino
97	6	wP	Female Not Hispanic or Latino
98	6	wP	Female Not Hispanic or Latino
99	6	wP	Female Not Hispanic or Latino
100	6	wP	Female Not Hispanic or Latino
101	6	wP	Female Not Hispanic or Latino
102	6	wP	Female Not Hispanic or Latino
103	6	wP	Female Not Hispanic or Latino
104	6	wP	Female Not Hispanic or Latino
105	6	wP	Female Not Hispanic or Latino
106	7	wP	Female Hispanic or Latino
107	7	wP	Female Hispanic or Latino
108	7	wP	Female Hispanic or Latino
109	7	wP	Female Hispanic or Latino
110	7	wP	Female Hispanic or Latino
111	7	wP	Female Hispanic or Latino
112	7	wP	Female Hispanic or Latino
113	7	wP	Female Hispanic or Latino
114	7	wP	Female Hispanic or Latino
115	7	wP	Female Hispanic or Latino
116	7	wP	Female Hispanic or Latino
117	7	wP	Female Hispanic or Latino
118	7	wP	Female Hispanic or Latino
119	7	wP	Female Hispanic or Latino

120	7	wP	Female	Hispanic or Latino
121	7	wP	Female	Hispanic or Latino
122	7	wP	Female	Hispanic or Latino
123	7	wP	Female	Hispanic or Latino
124	7	wP	Female	Hispanic or Latino
125	7	wP	Female	Hispanic or Latino
126	7	wP	Female	Hispanic or Latino
127	9	aP	Male Not	Hispanic or Latino
128	9	aP	Male Not	Hispanic or Latino
129	9	aP	Male Not	Hispanic or Latino
130	9	aP	Male Not	Hispanic or Latino
131	9	aP	Male Not	Hispanic or Latino
132	9	aP	Male Not	Hispanic or Latino
133	9	aP	Male Not	Hispanic or Latino
134	9	aP	Male Not	Hispanic or Latino
135	9	aP	Male Not	Hispanic or Latino
136	9	aP	Male Not	Hispanic or Latino
137	9	aP	Male Not	Hispanic or Latino
138	9	aP	Male Not	Hispanic or Latino
139	9	aP	Male Not	Hispanic or Latino
140	9	aP	Male Not	Hispanic or Latino
141	9	aP	Male Not	Hispanic or Latino
142	9	aP	Male Not	Hispanic or Latino
143	9	aP	Male Not	Hispanic or Latino
144	9	aP	Male Not	Hispanic or Latino
145	9	aP	Male Not	Hispanic or Latino
146	9	aP	Male Not	Hispanic or Latino
147	9	aP	Male Not	Hispanic or Latino
148	10	wP	Female Not	Hispanic or Latino
149	10	wP	Female Not	Hispanic or Latino
150	10	wP	Female Not	Hispanic or Latino
151	10	wP	Female Not	Hispanic or Latino
152	10	wP	Female Not	Hispanic or Latino
153	10	wP	Female Not	Hispanic or Latino
154	10	wP	Female Not	Hispanic or Latino
155	10	wP	Female Not	Hispanic or Latino
156	10	wP	Female Not	Hispanic or Latino
157	10	wP	Female Not	Hispanic or Latino
158	10	wP	Female Not	Hispanic or Latino
159	10	wP	Female Not	Hispanic or Latino
160	10	wP	Female Not	Hispanic or Latino
161	10	wP	Female Not	Hispanic or Latino
162	10	wP	Female Not	Hispanic or Latino

163	10	wP	Female Not Hispanic or Latino
164	10	wP	Female Not Hispanic or Latino
165	10	wP	Female Not Hispanic or Latino
166	11	wP	Female Hispanic or Latino
167	11	wP	Female Hispanic or Latino
168	11	wP	Female Hispanic or Latino
169	11	wP	Female Hispanic or Latino
170	11	wP	Female Hispanic or Latino
171	11	wP	Female Hispanic or Latino
172	11	wP	Female Hispanic or Latino
173	11	wP	Female Hispanic or Latino
174	11	wP	Female Hispanic or Latino
175	11	wP	Female Hispanic or Latino
176	11	wP	Female Hispanic or Latino
177	11	wP	Female Hispanic or Latino
178	11	wP	Female Hispanic or Latino
179	11	wP	Female Hispanic or Latino
180	11	wP	Female Hispanic or Latino
181	11	wP	Female Hispanic or Latino
182	11	wP	Female Hispanic or Latino
183	11	wP	Female Hispanic or Latino
184	11	wP	Female Hispanic or Latino
185	11	wP	Female Hispanic or Latino
186	11	wP	Female Hispanic or Latino
187	12	wP	Male Not Hispanic or Latino
188	12	wP	Male Not Hispanic or Latino
189	12	wP	Male Not Hispanic or Latino
190	12	wP	Male Not Hispanic or Latino
191	12	wP	Male Not Hispanic or Latino
192	12	wP	Male Not Hispanic or Latino
193	12	wP	Male Not Hispanic or Latino
194	12	wP	Male Not Hispanic or Latino
195	12	wP	Male Not Hispanic or Latino
196	12	wP	Male Not Hispanic or Latino
197	12	wP	Male Not Hispanic or Latino
198	12	wP	Male Not Hispanic or Latino
199	12	wP	Male Not Hispanic or Latino
200	12	wP	Male Not Hispanic or Latino
201	12	wP	Male Not Hispanic or Latino
202	12	wP	Male Not Hispanic or Latino
203	12	wP	Male Not Hispanic or Latino
204	12	wP	Male Not Hispanic or Latino
205	13	aP	Male Not Hispanic or Latino

206	13	aP	Male Not Hispanic or Latino
207	13	aP	Male Not Hispanic or Latino
208	13	aP	Male Not Hispanic or Latino
209	13	aP	Male Not Hispanic or Latino
210	13	aP	Male Not Hispanic or Latino
211	13	aP	Male Not Hispanic or Latino
212	13	aP	Male Not Hispanic or Latino
213	13	aP	Male Not Hispanic or Latino
214	13	aP	Male Not Hispanic or Latino
215	13	aP	Male Not Hispanic or Latino
216	13	aP	Male Not Hispanic or Latino
217	13	aP	Male Not Hispanic or Latino
218	13	aP	Male Not Hispanic or Latino
219	13	aP	Male Not Hispanic or Latino
220	13	aP	Male Not Hispanic or Latino
221	13	aP	Male Not Hispanic or Latino
222	13	aP	Male Not Hispanic or Latino
223	13	aP	Male Not Hispanic or Latino
224	13	aP	Male Not Hispanic or Latino
225	13	aP	Male Not Hispanic or Latino
226	14	wP	Male Not Hispanic or Latino
227	14	wP	Male Not Hispanic or Latino
228	14	wP	Male Not Hispanic or Latino
229	14	wP	Male Not Hispanic or Latino
230	14	wP	Male Not Hispanic or Latino
231	14	wP	Male Not Hispanic or Latino
232	14	wP	Male Not Hispanic or Latino
233	14	wP	Male Not Hispanic or Latino
234	14	wP	Male Not Hispanic or Latino
235	14	wP	Male Not Hispanic or Latino
236	14	wP	Male Not Hispanic or Latino
237	14	wP	Male Not Hispanic or Latino
238	14	wP	Male Not Hispanic or Latino
239	14	wP	Male Not Hispanic or Latino
240	14	wP	Male Not Hispanic or Latino
241	15	wP	Male Not Hispanic or Latino
242	15	wP	Male Not Hispanic or Latino
243	15	wP	Male Not Hispanic or Latino
244	15	wP	Male Not Hispanic or Latino
245	15	wP	Male Not Hispanic or Latino
246	15	wP	Male Not Hispanic or Latino
247	15	wP	Male Not Hispanic or Latino
248	15	wP	Male Not Hispanic or Latino

249	15	wP	Male Not Hispanic or Latino
250	15	wP	Male Not Hispanic or Latino
251	15	wP	Male Not Hispanic or Latino
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4852	14	Blood	7	IgG
4853	14	Blood	7	IgG
4854	14	Blood	7	IgG
4855	14	Blood	7	IgG
4856	14	Blood	7	IgG

4857	14	Blood	7	IgG
4858	28	Blood	8	IgG
4859	28	Blood	8	IgG
4860	28	Blood	8	IgG
4861	28	Blood	8	IgG
4862	28	Blood	8	IgG
4863	28	Blood	8	IgG
4864	28	Blood	8	IgG
4865	-30	Blood	1	IgG
4866	-30	Blood	1	IgG
4867	-30	Blood	1	IgG
4868	-30	Blood	1	IgG
4869	-30	Blood	1	IgG
4870	-30	Blood	1	IgG
4871	-30	Blood	1	IgG
4872	-14	Blood	2	IgG
4873	-14	Blood	2	IgG
4874	-14	Blood	2	IgG
4875	-14	Blood	2	IgG
4876	-14	Blood	2	IgG
4877	-14	Blood	2	IgG
4878	-14	Blood	2	IgG
4879	0	Blood	3	IgG
4880	0	Blood	3	IgG
4881	0	Blood	3	IgG
4882	0	Blood	3	IgG
4883	0	Blood	3	IgG
4884	0	Blood	3	IgG
4885	0	Blood	3	IgG
4886	1	Blood	4	IgG
4887	1	Blood	4	IgG
4888	1	Blood	4	IgG
4889	1	Blood	4	IgG
4890	1	Blood	4	IgG
4891	1	Blood	4	IgG
4892	1	Blood	4	IgG
4893	3	Blood	5	IgG
4894	3	Blood	5	IgG
4895	3	Blood	5	IgG
4896	3	Blood	5	IgG
4897	3	Blood	5	IgG
4898	3	Blood	5	IgG
4899	3	Blood	5	IgG

4900	7	Blood	6	IgG
4901	7	Blood	6	IgG
4902	7	Blood	6	IgG
4903	7	Blood	6	IgG
4904	7	Blood	6	IgG
4905	7	Blood	6	IgG
4906	7	Blood	6	IgG
4907	14	Blood	7	IgG
4908	14	Blood	7	IgG
4909	14	Blood	7	IgG
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4911	14	Blood	7	IgG
4912	14	Blood	7	IgG
4913	14	Blood	7	IgG
4914	28	Blood	8	IgG
4915	28	Blood	8	IgG
4916	28	Blood	8	IgG
4917	28	Blood	8	IgG
4918	28	Blood	8	IgG
4919	28	Blood	8	IgG
4920	28	Blood	8	IgG
4921	-30	Blood	1	IgG
4922	-30	Blood	1	IgG
4923	-30	Blood	1	IgG
4924	-30	Blood	1	IgG
4925	-30	Blood	1	IgG
4926	-30	Blood	1	IgG
4927	-30	Blood	1	IgG
4928	-14	Blood	2	IgG
4929	-14	Blood	2	IgG
4930	-14	Blood	2	IgG
4931	-14	Blood	2	IgG
4932	-14	Blood	2	IgG
4933	-14	Blood	2	IgG
4934	-14	Blood	2	IgG
4935	0	Blood	3	IgG
4936	0	Blood	3	IgG
4937	0	Blood	3	IgG
4938	0	Blood	3	IgG
4939	0	Blood	3	IgG
4940	0	Blood	3	IgG
4941	0	Blood	3	IgG
4942	1	Blood	4	IgG

4943	1	Blood	4	IgG
4944	1	Blood	4	IgG
4945	1	Blood	4	IgG
4946	1	Blood	4	IgG
4947	1	Blood	4	IgG
4948	1	Blood	4	IgG
4949	3	Blood	5	IgG
4950	3	Blood	5	IgG
4951	3	Blood	5	IgG
4952	3	Blood	5	IgG
4953	3	Blood	5	IgG
4954	3	Blood	5	IgG
4955	3	Blood	5	IgG
4956	7	Blood	6	IgG
4957	7	Blood	6	IgG
4958	7	Blood	6	IgG
4959	7	Blood	6	IgG
4960	7	Blood	6	IgG
4961	7	Blood	6	IgG
4962	7	Blood	6	IgG
4963	14	Blood	7	IgG
4964	14	Blood	7	IgG
4965	14	Blood	7	IgG
4966	14	Blood	7	IgG
4967	14	Blood	7	IgG
4968	14	Blood	7	IgG
4969	14	Blood	7	IgG
4970	28	Blood	8	IgG
4971	28	Blood	8	IgG
4972	28	Blood	8	IgG
4973	28	Blood	8	IgG
4974	28	Blood	8	IgG
4975	28	Blood	8	IgG
4976	28	Blood	8	IgG
4977	-30	Blood	1	IgG
4978	-30	Blood	1	IgG
4979	-30	Blood	1	IgG
4980	-30	Blood	1	IgG
4981	-30	Blood	1	IgG
4982	-30	Blood	1	IgG
4983	-30	Blood	1	IgG
4984	-14	Blood	2	IgG
4985	-14	Blood	2	IgG

4986	-14	Blood	2	IgG
4987	-14	Blood	2	IgG
4988	-14	Blood	2	IgG
4989	-14	Blood	2	IgG
4990	-14	Blood	2	IgG
4991	0	Blood	3	IgG
4992	0	Blood	3	IgG
4993	0	Blood	3	IgG
4994	0	Blood	3	IgG
4995	0	Blood	3	IgG
4996	0	Blood	3	IgG
4997	0	Blood	3	IgG
4998	1	Blood	4	IgG
4999	1	Blood	4	IgG

	is_antigen_specific	antigen	MFI	MFI_normalised	unit
1	TRUE	PT	6.856614e+01	3.73699166	IU/ML
2	TRUE	PRN	3.321272e+02	2.60235005	IU/ML
3	TRUE	FHA	1.887123e+03	34.05095600	IU/ML
4	TRUE	PT	4.138442e+01	2.25553379	IU/ML
5	TRUE	PRN	1.748976e+02	1.37039311	IU/ML
6	TRUE	FHA	2.460096e+02	4.43895964	IU/ML
7	TRUE	PT	5.963762e+01	3.25036934	IU/ML
8	TRUE	PRN	2.852614e+02	2.23513754	IU/ML
9	TRUE	FHA	5.729134e+02	10.33756213	IU/ML
10	TRUE	PT	1.995177e+02	10.87411169	IU/ML
11	TRUE	PRN	9.776086e+02	7.65995637	IU/ML
12	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
13	TRUE	PT	2.296037e+02	12.51386026	IU/ML
14	TRUE	PRN	1.039815e+03	8.14736608	IU/ML
15	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
16	TRUE	PT	2.288146e+02	12.47085353	IU/ML
17	TRUE	PRN	7.028137e+01	0.55068284	IU/ML
18	TRUE	FHA	1.773239e+02	3.19960519	IU/ML
19	TRUE	PT	1.985562e+02	10.82171086	IU/ML
20	TRUE	PRN	6.341397e+01	0.49687396	IU/ML
21	TRUE	FHA	1.501379e+02	2.70906522	IU/ML
22	TRUE	PT	2.011607e+01	1.09636587	IU/ML
23	TRUE	PRN	9.766742e+02	7.65263517	IU/ML
24	TRUE	FHA	6.076626e+01	1.09645716	IU/ML
25	TRUE	PT	1.307630e+01	0.71268463	IU/ML
26	TRUE	PRN	6.753248e+02	5.29144145	IU/ML
27	TRUE	FHA	4.159133e+01	0.75046769	IU/ML
28	TRUE	PT	9.473398e+00	0.51631914	IU/ML

29	TRUE	PRN	4.691233e+02	3.67576969	IU/ML
30	TRUE	FHA	3.357106e+01	0.60575116	IU/ML
31	TRUE	PT	1.178683e+02	6.42405817	IU/ML
32	TRUE	PRN	1.337108e+03	10.47678171	IU/ML
33	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
34	TRUE	PT	1.291980e+02	7.04154687	IU/ML
35	TRUE	PRN	1.030817e+03	8.07686321	IU/ML
36	TRUE	FHA	6.408948e+02	11.56420938	IU/ML
37	TRUE	PT	1.648531e+02	8.98482346	IU/ML
38	TRUE	PRN	7.175747e+01	0.56224865	IU/ML
39	TRUE	FHA	1.362328e+02	2.45816419	IU/ML
40	TRUE	PT	1.552430e+02	8.46105386	IU/ML
41	TRUE	PRN	7.357884e+01	0.57651980	IU/ML
42	TRUE	FHA	1.297135e+02	2.34053160	IU/ML
43	TRUE	PT	3.755222e+01	2.04667118	IU/ML
44	TRUE	PRN	7.236901e+02	5.67040342	IU/ML
45	TRUE	FHA	5.809602e+01	1.04827586	IU/ML
46	TRUE	PT	2.986034e+01	1.62744809	IU/ML
47	TRUE	PRN	5.202187e+02	4.07612298	IU/ML
48	TRUE	FHA	4.543517e+01	0.81982534	IU/ML
49	TRUE	PT	2.607730e+01	1.42126489	IU/ML
50	TRUE	PRN	3.772473e+02	2.95588454	IU/ML
51	TRUE	FHA	3.912498e+01	0.70596516	IU/ML
52	TRUE	PT	1.448853e+02	7.89654060	IU/ML
53	TRUE	PRN	9.918222e+02	7.77132624	IU/ML
54	TRUE	FHA	1.624457e+02	2.93114596	IU/ML
55	TRUE	PT	1.054266e+02	5.74595904	IU/ML
56	TRUE	PRN	8.747123e+02	6.85372305	IU/ML
57	TRUE	FHA	1.628078e+02	2.93767992	IU/ML
58	TRUE	PT	1.486644e+02	8.10250666	IU/ML
59	TRUE	PRN	6.958528e+01	0.54522868	IU/ML
60	TRUE	FHA	1.288737e+02	2.32537739	IU/ML
61	TRUE	PT	1.395544e+02	7.60599157	IU/ML
62	TRUE	PRN	7.192585e+01	0.56356798	IU/ML
63	TRUE	FHA	1.291323e+02	2.33004314	IU/ML
64	TRUE	PT	6.968565e+01	3.79800697	IU/ML
65	TRUE	PRN	6.723680e+02	5.26827393	IU/ML
66	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
67	TRUE	PT	5.791494e+01	3.15648000	IU/ML
68	TRUE	PRN	5.851688e+02	4.58503309	IU/ML
69	TRUE	FHA	5.836590e+02	10.53145403	IU/ML
70	TRUE	PT	4.106182e+01	2.23795148	IU/ML
71	TRUE	PRN	4.346249e+02	3.40546120	IU/ML

72	TRUE	FHA	2.586441e+02	4.66693513	IU/ML
73	TRUE	PT	1.100317e+02	5.99694906	IU/ML
74	TRUE	PRN	6.751817e+02	5.29032031	IU/ML
75	TRUE	FHA	1.000000e-02	0.08443681	IU/ML
76	TRUE	PT	9.774326e+01	5.32720297	IU/ML
77	TRUE	PRN	6.460929e+02	5.06239783	IU/ML
78	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
79	TRUE	PT	1.289116e+02	7.02594046	IU/ML
80	TRUE	PRN	6.892672e+01	0.54006861	IU/ML
81	TRUE	FHA	1.674163e+02	3.02083382	IU/ML
82	TRUE	PT	1.204283e+02	6.56358324	IU/ML
83	TRUE	PRN	6.994920e+01	0.54808012	IU/ML
84	TRUE	FHA	1.728796e+02	3.11941280	IU/ML
85	TRUE	PT	3.914130e+00	0.21332789	IU/ML
86	TRUE	PRN	1.150877e+01	0.09017584	IU/ML
87	TRUE	FHA	2.102043e+01	0.37928952	IU/ML
88	TRUE	PT	3.657555e+00	0.19934407	IU/ML
89	TRUE	PRN	1.142381e+01	0.08951017	IU/ML
90	TRUE	FHA	2.123744e+01	0.38320519	IU/ML
91	TRUE	PT	3.209682e+00	0.17493411	IU/ML
92	TRUE	PRN	1.088675e+01	0.08530206	IU/ML
93	TRUE	FHA	2.132080e+01	0.38470928	IU/ML
94	TRUE	PT	1.674964e+02	9.12888622	IU/ML
95	TRUE	PRN	2.879544e+02	2.25623845	IU/ML
96	TRUE	FHA	5.589058e+02	10.08481236	IU/ML
97	TRUE	PT	1.625000e+02	8.85657487	IU/ML
98	TRUE	PRN	5.843148e+01	0.45783417	IU/ML
99	TRUE	FHA	1.378316e+02	2.48701222	IU/ML
100	TRUE	PT	1.767945e+02	9.63565138	IU/ML
101	TRUE	PRN	5.725061e+01	0.44858155	IU/ML
102	TRUE	FHA	1.398493e+02	2.52341978	IU/ML
103	TRUE	PT	1.011998e+02	5.51558979	IU/ML
104	TRUE	PRN	5.154205e+01	0.40385270	IU/ML
105	TRUE	FHA	1.247809e+02	2.25152743	IU/ML
106	TRUE	PT	9.139656e+00	0.49812954	IU/ML
107	TRUE	PRN	1.027682e+02	0.80523028	IU/ML
108	TRUE	FHA	3.081242e+01	0.55597459	IU/ML
109	TRUE	PT	6.543368e+00	0.35662666	IU/ML
110	TRUE	PRN	7.775783e+01	0.60926391	IU/ML
111	TRUE	FHA	2.382806e+01	0.42994993	IU/ML
112	TRUE	PT	4.107241e+01	2.23852839	IU/ML
113	TRUE	PRN	8.814238e+02	6.90630990	IU/ML
114	TRUE	FHA	1.185769e+02	2.13958295	IU/ML

115	TRUE	PT	9.268763e+01	5.05166119	IU/ML
116	TRUE	PRN	1.564662e+03	12.25975653	IU/ML
117	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
118	TRUE	PT	6.990745e+01	3.81009595	IU/ML
119	TRUE	PRN	1.016814e+02	0.79671478	IU/ML
120	TRUE	FHA	1.413182e+02	2.54992390	IU/ML
121	TRUE	PT	2.882964e+01	1.57127294	IU/ML
122	TRUE	PRN	1.194874e+02	0.93623204	IU/ML
123	TRUE	FHA	1.319043e+02	2.38006107	IU/ML
124	TRUE	PT	1.676128e+01	0.91352323	IU/ML
125	TRUE	PRN	1.151625e+03	9.02344724	IU/ML
126	TRUE	FHA	7.926652e+01	1.43027310	IU/ML
127	TRUE	PT	4.051410e+00	0.22080995	IU/ML
128	TRUE	PRN	1.983310e+01	0.15540035	IU/ML
129	TRUE	FHA	2.083516e+01	0.37594650	IU/ML
130	TRUE	PT	3.550618e+00	0.19351580	IU/ML
131	TRUE	PRN	1.913890e+01	0.14996099	IU/ML
132	TRUE	FHA	1.858811e+01	0.33540114	IU/ML
133	TRUE	PT	6.419504e+00	0.34987579	IU/ML
134	TRUE	PRN	2.872214e+02	2.25049529	IU/ML
135	TRUE	FHA	3.572994e+01	0.64470556	IU/ML
136	TRUE	PT	1.665922e+01	0.90796079	IU/ML
137	TRUE	PRN	5.119509e+02	4.01134101	IU/ML
138	TRUE	FHA	3.233428e+02	5.83434917	IU/ML
139	TRUE	PT	1.740970e+01	0.94886320	IU/ML
140	TRUE	PRN	5.170230e+02	4.05108290	IU/ML
141	TRUE	FHA	3.320398e+02	5.99127661	IU/ML
142	TRUE	PT	1.646815e+01	0.89754717	IU/ML
143	TRUE	PRN	5.128717e+02	4.01855586	IU/ML
144	TRUE	FHA	3.523074e+02	6.35698095	IU/ML
145	TRUE	PT	1.011236e+01	0.55114405	IU/ML
146	TRUE	PRN	4.192339e+02	3.28486650	IU/ML
147	TRUE	FHA	1.660255e+02	2.99573825	IU/ML
148	TRUE	PT	5.360000e-01	0.02921307	IU/ML
149	TRUE	PRN	8.517523e+00	0.06673822	IU/ML
150	TRUE	FHA	5.802152e+00	0.10469316	IU/ML
151	TRUE	PT	5.360000e-01	0.02921307	IU/ML
152	TRUE	PRN	9.411465e+00	0.07374261	IU/ML
153	TRUE	FHA	5.916982e+00	0.10676512	IU/ML
154	TRUE	PT	4.638202e+00	0.25279129	IU/ML
155	TRUE	PRN	1.380042e+03	10.81318654	IU/ML
156	TRUE	FHA	1.373764e+02	2.47879825	IU/ML
157	TRUE	PT	3.821589e+00	0.20828423	IU/ML

158	TRUE	PRN	1.256335e+03	9.84389357	IU/ML
159	TRUE	FHA	1.239740e+02	2.23696783	IU/ML
160	TRUE	PT	5.135951e+00	0.27991960	IU/ML
161	TRUE	PRN	1.421686e+03	11.13948206	IU/ML
162	TRUE	FHA	3.626739e+02	6.54403364	IU/ML
163	TRUE	PT	3.418229e+00	0.18630034	IU/ML
164	TRUE	PRN	1.107510e+03	8.67778753	IU/ML
165	TRUE	FHA	1.529553e+02	2.75990244	IU/ML
166	TRUE	PT	4.453207e+01	2.42708675	IU/ML
167	TRUE	PRN	1.032303e+03	8.08851042	IU/ML
168	TRUE	FHA	2.524351e+02	4.55490076	IU/ML
169	TRUE	PT	3.613811e+01	1.96959897	IU/ML
170	TRUE	PRN	8.266159e+02	6.47686850	IU/ML
171	TRUE	FHA	1.682969e+02	3.03672400	IU/ML
172	TRUE	PT	3.523752e+01	1.92051552	IU/ML
173	TRUE	PRN	7.795843e+02	6.10835688	IU/ML
174	TRUE	FHA	1.582893e+02	2.85614874	IU/ML
175	TRUE	PT	5.337719e+02	29.09163758	IU/ML
176	TRUE	PRN	1.238873e+03	9.70707220	IU/ML
177	TRUE	FHA	1.081146e+03	19.50804277	IU/ML
178	TRUE	PT	4.145139e+02	22.59183883	IU/ML
179	TRUE	PRN	9.920211e+02	7.77288424	IU/ML
180	TRUE	FHA	1.994546e+03	35.98929430	IU/ML
181	TRUE	PT	1.991238e+02	10.85264293	IU/ML
182	TRUE	PRN	6.319714e+02	4.95175010	IU/ML
183	TRUE	FHA	7.393619e+02	13.34093480	IU/ML
184	TRUE	PT	1.434999e+02	7.82103317	IU/ML
185	TRUE	PRN	7.010340e+01	0.54928832	IU/ML
186	TRUE	FHA	1.671654e+02	3.01630766	IU/ML
187	TRUE	PT	2.426124e+00	0.13222859	IU/ML
188	TRUE	PRN	1.117052e+02	0.87525520	IU/ML
189	TRUE	FHA	4.239256e+01	0.76492492	IU/ML
190	TRUE	PT	2.736522e+00	0.14914591	IU/ML
191	TRUE	PRN	1.144883e+02	0.89706151	IU/ML
192	TRUE	FHA	3.563300e+01	0.64295654	IU/ML
193	TRUE	PT	5.360000e-01	0.02921307	IU/ML
194	TRUE	PRN	2.691901e+01	0.21092130	IU/ML
195	TRUE	FHA	9.201571e+01	1.66031750	IU/ML
196	TRUE	PT	2.495638e+01	1.36017276	IU/ML
197	TRUE	PRN	1.478117e+02	1.15816441	IU/ML
198	TRUE	FHA	2.749114e+02	4.96045917	IU/ML
199	TRUE	PT	9.687427e+01	5.27984158	IU/ML
200	TRUE	PRN	9.238261e+02	7.23854927	IU/ML

201	TRUE	FHA	8.544696e+02	15.41792073	IU/ML
202	TRUE	PT	3.544540e+01	1.93184542	IU/ML
203	TRUE	PRN	4.052294e+02	3.17513535	IU/ML
204	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
205	TRUE	PT	2.901240e+01	1.58123355	IU/ML
206	TRUE	PRN	1.513044e+02	1.18553056	IU/ML
207	TRUE	FHA	6.152968e+01	1.11023220	IU/ML
208	TRUE	PT	3.688192e+01	2.01013838	IU/ML
209	TRUE	PRN	1.789100e+02	1.40183166	IU/ML
210	TRUE	FHA	2.812796e+02	5.07536671	IU/ML
211	TRUE	PT	4.178865e+01	2.27756513	IU/ML
212	TRUE	PRN	5.208797e+01	0.40813016	IU/ML
213	TRUE	FHA	1.297595e+02	2.34136104	IU/ML
214	TRUE	PT	4.028783e+01	2.19576744	IU/ML
215	TRUE	PRN	1.742536e+03	13.65346671	IU/ML
216	TRUE	FHA	4.172322e+03	75.28475227	IU/ML
217	TRUE	PT	5.806193e+01	3.16449137	IU/ML
218	TRUE	PRN	1.950008e+03	15.27909747	IU/ML
219	TRUE	FHA	1.226448e+03	22.12983937	IU/ML
220	TRUE	PT	2.044619e+02	11.14358372	IU/ML
221	TRUE	PRN	6.692579e+03	52.43904684	IU/ML
222	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
223	TRUE	PT	1.711338e+02	9.32713483	IU/ML
224	TRUE	PRN	1.980464e+03	15.51772986	IU/ML
225	TRUE	FHA	5.200000e+03	93.82801540	IU/ML
226	TRUE	PT	2.250771e+01	1.22671504	IU/ML
227	TRUE	PRN	3.263699e+02	2.55723964	IU/ML
228	TRUE	FHA	3.820506e+01	0.68936633	IU/ML
229	TRUE	PT	2.606545e+01	1.42061899	IU/ML
230	TRUE	PRN	4.187382e+02	3.28098230	IU/ML
231	TRUE	FHA	4.620979e+01	0.83380242	IU/ML
232	TRUE	PT	8.942424e-01	0.04873800	IU/ML
233	TRUE	PRN	6.879474e+01	0.53903448	IU/ML
234	TRUE	FHA	2.086295e+01	0.37644798	IU/ML
235	TRUE	PT	2.042297e+02	11.13092955	IU/ML
236	TRUE	PRN	6.416130e+01	0.50272959	IU/ML
237	TRUE	FHA	1.229908e+02	2.21922731	IU/ML
238	TRUE	PT	2.690013e+02	14.66110672	IU/ML
239	TRUE	PRN	6.958961e+01	0.54526258	IU/ML
240	TRUE	FHA	1.421788e+02	2.56545363	IU/ML
241	TRUE	PT	5.545653e+00	0.30224919	IU/ML
242	TRUE	PRN	1.330958e+02	1.04285885	IU/ML
243	TRUE	FHA	6.737060e+01	1.21562486	IU/ML

244	TRUE	PT	3.514701e+00	0.19155823	IU/ML
245	TRUE	PRN	1.040989e+02	0.81565638	IU/ML
246	TRUE	FHA	5.010027e+01	0.90400163	IU/ML
247	TRUE	PT	2.014169e+01	1.09776245	IU/ML
248	TRUE	PRN	2.758500e+02	2.16139583	IU/ML
249	TRUE	FHA	3.302796e+01	0.59595155	IU/ML
250	TRUE	PT	1.618016e+01	0.88185086	IU/ML
251	TRUE	PRN	7.132532e+02	5.58862610	IU/ML
252	TRUE	FHA	6.217074e+01	1.12179949	IU/ML
253	TRUE	PT	1.004895e+02	5.47687617	IU/ML
254	TRUE	PRN	2.340790e+03	18.34103176	IU/ML
255	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
256	TRUE	PT	1.174317e+01	0.64002640	IU/ML
257	TRUE	PRN	1.166437e+03	9.13950276	IU/ML
258	TRUE	FHA	5.158434e+01	0.93078005	IU/ML
259	TRUE	PT	6.656937e+00	0.36281637	IU/ML
260	TRUE	PRN	5.174686e+02	4.05457497	IU/ML
261	TRUE	FHA	3.212832e+01	0.57971848	IU/ML
262	TRUE	PT	5.271166e+01	2.87289077	IU/ML
263	TRUE	PRN	5.305970e+01	0.41574411	IU/ML
264	TRUE	FHA	1.305932e+02	2.35640452	IU/ML
265	TRUE	PT	2.396038e+01	1.30588864	IU/ML
266	TRUE	PRN	1.256876e+02	0.98481254	IU/ML
267	TRUE	FHA	5.080979e+01	0.91680413	IU/ML
268	TRUE	PT	3.844803e+00	0.20954945	IU/ML
269	TRUE	PRN	9.273972e+01	0.72665298	IU/ML
270	TRUE	FHA	5.311417e+01	0.95838403	IU/ML
271	TRUE	PT	8.667540e+01	4.72398240	IU/ML
272	TRUE	PRN	5.887727e+01	0.46132710	IU/ML
273	TRUE	FHA	1.190047e+02	2.14730260	IU/ML
274	TRUE	PT	9.944042e+01	5.41970147	IU/ML
275	TRUE	PRN	6.562860e+01	0.51422649	IU/ML
276	TRUE	FHA	1.467373e+02	2.64770588	IU/ML
277	TRUE	PT	5.779780e+01	3.15009551	IU/ML
278	TRUE	PRN	5.739574e+01	0.44971868	IU/ML
279	TRUE	FHA	1.246199e+02	2.24862334	IU/ML
280	TRUE	PT	4.414412e+01	2.40594281	IU/ML
281	TRUE	PRN	5.589049e+01	0.43792448	IU/ML
282	TRUE	FHA	1.211307e+02	2.18566340	IU/ML
283	TRUE	PT	1.829349e+02	9.97031964	IU/ML
284	TRUE	PRN	5.124735e+01	0.40154363	IU/ML
285	TRUE	FHA	1.357472e+02	2.44940192	IU/ML
286	TRUE	PT	1.471305e+02	8.01890564	IU/ML

287	TRUE	PRN	4.835943e+01	0.37891562	IU/ML
288	TRUE	FHA	1.289503e+02	2.32675912	IU/ML
289	TRUE	PT	1.435148e+02	7.82184318	IU/ML
290	TRUE	PRN	4.855403e+01	0.38044034	IU/ML
291	TRUE	FHA	1.289136e+02	2.32609760	IU/ML
292	TRUE	PT	1.625990e+02	8.86197308	IU/ML
293	TRUE	PRN	5.302816e+01	0.41549700	IU/ML
294	TRUE	FHA	1.341906e+02	2.42131468	IU/ML
295	TRUE	PT	1.689009e+02	9.20543572	IU/ML
296	TRUE	PRN	5.600045e+01	0.43878607	IU/ML
297	TRUE	FHA	1.401211e+02	2.52832385	IU/ML
298	TRUE	PT	1.298864e+02	7.07906798	IU/ML
299	TRUE	PRN	5.151702e+01	0.40365657	IU/ML
300	TRUE	FHA	1.304913e+02	2.35456579	IU/ML
301	TRUE	PT	9.833932e+01	5.35968966	IU/ML
302	TRUE	PRN	4.808457e+01	0.37676193	IU/ML
303	TRUE	FHA	1.228700e+02	2.21704700	IU/ML
304	TRUE	PT	4.074401e+01	2.22062993	IU/ML
305	TRUE	PRN	2.508894e+02	1.96581906	IU/ML
306	TRUE	FHA	5.795644e+02	10.45757330	IU/ML
307	TRUE	PT	2.795453e+01	1.52357789	IU/ML
308	TRUE	PRN	1.605668e+02	1.25810542	IU/ML
309	TRUE	FHA	3.035511e+02	5.47723109	IU/ML
310	TRUE	PT	2.132857e+01	1.16244994	IU/ML
311	TRUE	PRN	1.151682e+02	0.90238930	IU/ML
312	TRUE	FHA	4.441353e+01	0.80139104	IU/ML
313	TRUE	PT	1.906822e+02	10.39256335	IU/ML
314	TRUE	PRN	8.732788e+01	0.68424908	IU/ML
315	TRUE	FHA	1.746558e+02	3.15146227	IU/ML
316	TRUE	PT	1.829061e+02	9.96874747	IU/ML
317	TRUE	PRN	7.181812e+01	0.56272384	IU/ML
318	TRUE	FHA	1.725602e+02	3.11365058	IU/ML
319	TRUE	PT	1.416498e+02	7.72019871	IU/ML
320	TRUE	PRN	6.919332e+01	0.54215751	IU/ML
321	TRUE	FHA	1.530398e+02	2.76142639	IU/ML
322	TRUE	PT	1.116795e+02	6.08675823	IU/ML
323	TRUE	PRN	6.522203e+01	0.51104084	IU/ML
324	TRUE	FHA	1.398602e+02	2.52361659	IU/ML
325	TRUE	PT	6.382116e+01	3.47838076	IU/ML
326	TRUE	PRN	3.298965e+02	2.58487186	IU/ML
327	TRUE	FHA	5.876777e+01	1.06039684	IU/ML
328	TRUE	PT	6.693838e+01	3.64827565	IU/ML
329	TRUE	PRN	5.373607e+01	0.42104376	IU/ML

330	TRUE	FHA	1.022067e+02	1.84420230	IU/ML
331	TRUE	PT	7.681929e+01	4.18680488	IU/ML
332	TRUE	PRN	5.495146e+01	0.43056679	IU/ML
333	TRUE	FHA	1.048874e+02	1.89257214	IU/ML
334	TRUE	PT	1.688730e+02	9.20391366	IU/ML
335	TRUE	PRN	6.582207e+01	0.51574239	IU/ML
336	TRUE	FHA	1.280483e+02	2.31048423	IU/ML
337	TRUE	PT	1.701837e+02	9.27535380	IU/ML
338	TRUE	PRN	7.015329e+01	0.54967928	IU/ML
339	TRUE	FHA	1.243605e+02	2.24394244	IU/ML
340	TRUE	PT	8.618554e+01	4.69728443	IU/ML
341	TRUE	PRN	6.301735e+01	0.49376630	IU/ML
342	TRUE	FHA	1.037441e+02	1.87194287	IU/ML
343	TRUE	PT	7.018579e+01	3.82526577	IU/ML
344	TRUE	PRN	6.065126e+01	0.47522701	IU/ML
345	TRUE	FHA	1.002833e+02	1.80949649	IU/ML
346	TRUE	PT	8.912066e+01	4.85725419	IU/ML
347	TRUE	PRN	6.462526e+01	0.50636494	IU/ML
348	TRUE	FHA	1.057359e+02	1.90788230	IU/ML
349	TRUE	PT	9.381605e+01	5.11316216	IU/ML
350	TRUE	PRN	6.552807e+01	0.51343875	IU/ML
351	TRUE	FHA	1.054893e+02	1.90343246	IU/ML
352	TRUE	PT	2.483628e+01	1.35362715	IU/ML
353	TRUE	PRN	3.028811e+02	2.37319536	IU/ML
354	TRUE	FHA	6.706044e+02	12.10028529	IU/ML
355	TRUE	PT	1.116587e+02	6.08562490	IU/ML
356	TRUE	PRN	5.466406e+01	0.42831490	IU/ML
357	TRUE	FHA	1.336939e+02	2.41235184	IU/ML
358	TRUE	PT	1.332696e+02	7.26345933	IU/ML
359	TRUE	PRN	5.648016e+01	0.44254475	IU/ML
360	TRUE	FHA	1.405000e+02	2.53516075	IU/ML
361	TRUE	PT	9.902579e+01	5.39710358	IU/ML
362	TRUE	PRN	5.330458e+01	0.41766286	IU/ML
363	TRUE	FHA	1.238193e+02	2.23417628	IU/ML
364	TRUE	PT	6.589953e+01	3.59165598	IU/ML
365	TRUE	PRN	5.145723e+01	0.40318812	IU/ML
366	TRUE	FHA	1.139081e+02	2.05534020	IU/ML
367	TRUE	PT	1.071943e+02	5.84230335	IU/ML
368	TRUE	PRN	2.814854e+02	2.20555137	IU/ML
369	TRUE	FHA	7.893819e+02	14.24348716	IU/ML
370	TRUE	PT	9.663384e+00	0.52667375	IU/ML
371	TRUE	PRN	1.840038e+03	14.41743859	IU/ML
372	TRUE	FHA	4.930228e+01	0.88960296	IU/ML

373	TRUE	PT	3.046665e+00	0.16604934	IU/ML
374	TRUE	PRN	8.320161e+02	6.51918115	IU/ML
375	TRUE	FHA	1.907422e+01	0.34417236	IU/ML
376	TRUE	PT	2.561991e+01	1.39633657	IU/ML
377	TRUE	PRN	1.552265e+03	12.16261739	IU/ML
378	TRUE	FHA	9.594110e+02	17.31146681	IU/ML
379	TRUE	PT	3.536885e+01	1.92767308	IU/ML
380	TRUE	PRN	1.796709e+03	14.07793693	IU/ML
381	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
382	TRUE	PT	2.291502e+01	1.24891414	IU/ML
383	TRUE	PRN	1.442427e+03	11.30199434	IU/ML
384	TRUE	FHA	2.945337e+02	5.31452145	IU/ML
385	TRUE	PT	1.334159e+01	0.72714312	IU/ML
386	TRUE	PRN	1.203822e+03	9.43242795	IU/ML
387	TRUE	FHA	9.293797e+01	1.67695863	IU/ML
388	TRUE	PT	6.387587e+01	3.48136253	IU/ML
389	TRUE	PRN	1.873719e+02	1.46813418	IU/ML
390	TRUE	FHA	1.890452e+02	3.41110325	IU/ML
391	TRUE	PT	5.805951e+00	0.31643595	IU/ML
392	TRUE	PRN	2.513400e+02	1.96935023	IU/ML
393	TRUE	FHA	2.880693e+01	0.51978791	IU/ML
394	TRUE	PT	1.966594e+00	0.10718333	IU/ML
395	TRUE	PRN	1.023830e+02	0.80221175	IU/ML
396	TRUE	FHA	1.499334e+01	0.27053752	IU/ML
397	TRUE	PT	1.371755e+02	7.47634110	IU/ML
398	TRUE	PRN	6.768119e+01	0.53030938	IU/ML
399	TRUE	FHA	1.351576e+02	2.43876308	IU/ML
400	TRUE	PT	8.998965e+01	4.90461599	IU/ML
401	TRUE	PRN	6.460081e+01	0.50617337	IU/ML
402	TRUE	FHA	1.291678e+02	2.33068360	IU/ML
403	TRUE	PT	1.124450e+02	6.12847970	IU/ML
404	TRUE	PRN	6.569762e+01	0.51476731	IU/ML
405	TRUE	FHA	1.342734e+02	2.42280869	IU/ML
406	TRUE	PT	7.609423e+01	4.14728768	IU/ML
407	TRUE	PRN	6.275005e+01	0.49167185	IU/ML
408	TRUE	FHA	1.253301e+02	2.26143830	IU/ML
409	TRUE	PT	5.895038e+00	0.32129134	IU/ML
410	TRUE	PRN	4.496968e+01	0.35235555	IU/ML
411	TRUE	FHA	1.233317e+02	2.22537858	IU/ML
412	TRUE	PT	6.333229e+00	0.34517365	IU/ML
413	TRUE	PRN	4.934584e+01	0.38664451	IU/ML
414	TRUE	FHA	1.161691e+02	2.09613713	IU/ML
415	TRUE	PT	5.301253e+00	0.28892887	IU/ML

416	TRUE	PRN	3.801353e+01	0.29785129	IU/ML
417	TRUE	FHA	1.048466e+02	1.89183610	IU/ML
418	TRUE	PT	7.992845e+01	4.35626048	IU/ML
419	TRUE	PRN	7.340488e+01	0.57515677	IU/ML
420	TRUE	FHA	1.725602e+02	3.11365058	IU/ML
421	TRUE	PT	1.322196e+02	7.20623213	IU/ML
422	TRUE	PRN	4.527043e+03	35.47119920	IU/ML
423	TRUE	FHA	3.725596e+03	67.22408990	IU/ML
424	TRUE	PT	1.287069e+02	7.01478560	IU/ML
425	TRUE	PRN	7.669145e+01	0.60090834	IU/ML
426	TRUE	FHA	1.887348e+02	3.40550221	IU/ML
427	TRUE	PT	7.821953e+01	4.26312098	IU/ML
428	TRUE	PRN	7.658569e+01	0.60007966	IU/ML
429	TRUE	FHA	1.782984e+02	3.21718863	IU/ML
430	TRUE	PT	3.774999e+00	0.20574500	IU/ML
431	TRUE	PRN	1.393840e+02	1.09212982	IU/ML
432	TRUE	FHA	2.905770e+01	0.52431273	IU/ML
433	TRUE	PT	2.995838e+00	0.16327916	IU/ML
434	TRUE	PRN	1.250694e+02	0.97996938	IU/ML
435	TRUE	FHA	2.788720e+01	0.50319246	IU/ML
436	TRUE	PT	2.867299e+00	0.15627354	IU/ML
437	TRUE	PRN	1.190190e+02	0.93256157	IU/ML
438	TRUE	FHA	2.735905e+01	0.49366253	IU/ML
439	TRUE	PT	2.363176e+01	1.28797842	IU/ML
440	TRUE	PRN	5.623034e+02	4.40587310	IU/ML
441	TRUE	FHA	1.167246e+02	2.10616147	IU/ML
442	TRUE	PT	1.600102e+01	0.87208731	IU/ML
443	TRUE	PRN	3.739185e+02	2.92980178	IU/ML
444	TRUE	FHA	1.051856e+02	1.89795387	IU/ML
445	TRUE	PT	1.461359e+01	0.79647014	IU/ML
446	TRUE	PRN	3.968450e+02	3.10944011	IU/ML
447	TRUE	FHA	1.506632e+02	2.71854404	IU/ML
448	TRUE	PT	1.257752e+01	0.68549982	IU/ML
449	TRUE	PRN	3.854399e+02	3.02007682	IU/ML
450	TRUE	FHA	1.223446e+02	2.20756785	IU/ML
451	TRUE	PT	1.250248e+01	0.68141033	IU/ML
452	TRUE	PRN	9.458779e+01	0.74113341	IU/ML
453	TRUE	FHA	1.499876e+01	0.27063538	IU/ML
454	TRUE	PT	5.855506e+00	0.31913680	IU/ML
455	TRUE	PRN	5.102666e+01	0.39981444	IU/ML
456	TRUE	FHA	8.729732e+00	0.15751797	IU/ML
457	TRUE	PT	9.181613e+00	0.50041625	IU/ML
458	TRUE	PRN	7.312615e+01	0.57297277	IU/ML

459	TRUE	FHA	1.158317e+01	0.20900502	IU/ML
460	TRUE	PT	2.309943e+01	1.25896521	IU/ML
461	TRUE	PRN	8.000794e+02	6.26894368	IU/ML
462	TRUE	FHA	7.441052e+01	1.34265226	IU/ML
463	TRUE	PT	9.055533e+00	0.49354466	IU/ML
464	TRUE	PRN	4.352892e+02	3.41066611	IU/ML
465	TRUE	FHA	4.810761e+01	0.86804640	IU/ML
466	TRUE	PT	1.030604e+01	0.56169992	IU/ML
467	TRUE	PRN	2.817626e+02	2.20772312	IU/ML
468	TRUE	FHA	2.852954e+01	0.51478270	IU/ML
469	TRUE	PT	1.283892e+01	0.69974671	IU/ML
470	TRUE	PRN	2.398816e+02	1.87956854	IU/ML
471	TRUE	FHA	2.495473e+01	0.45027945	IU/ML
472	TRUE	PT	1.201846e+01	0.65502996	IU/ML
473	TRUE	PRN	1.500665e+02	1.17583156	IU/ML
474	TRUE	FHA	5.409993e+01	0.97617101	IU/ML
475	TRUE	PT	3.798321e+00	0.20701609	IU/ML
476	TRUE	PRN	4.819894e+01	0.37765808	IU/ML
477	TRUE	FHA	2.114614e+01	0.38155779	IU/ML
478	TRUE	PT	1.145785e+01	0.62447577	IU/ML
479	TRUE	PRN	1.389232e+02	1.08851948	IU/ML
480	TRUE	FHA	5.287750e+01	0.95411354	IU/ML
481	TRUE	PT	1.893884e+01	1.03220454	IU/ML
482	TRUE	PRN	6.776894e+02	5.30996874	IU/ML
483	TRUE	FHA	1.321208e+02	2.38396762	IU/ML
484	TRUE	PT	4.574896e+01	2.49340964	IU/ML
485	TRUE	PRN	5.429478e+01	0.42542144	IU/ML
486	TRUE	FHA	1.171198e+02	2.11329135	IU/ML
487	TRUE	PT	1.027561e+02	5.60041042	IU/ML
488	TRUE	PRN	5.765564e+01	0.45175510	IU/ML
489	TRUE	FHA	1.236559e+02	2.23122817	IU/ML
490	TRUE	PT	3.381657e+01	1.84307076	IU/ML
491	TRUE	PRN	5.392311e+01	0.42250923	IU/ML
492	TRUE	FHA	1.152235e+02	2.07907510	IU/ML
493	TRUE	PT	1.295780e+01	0.70622597	IU/ML
494	TRUE	PRN	1.019760e+02	0.79902286	IU/ML
495	TRUE	FHA	1.221793e+02	2.20458553	IU/ML
496	TRUE	PT	3.798321e+00	0.20701609	IU/ML
497	TRUE	PRN	3.505703e+01	0.27468591	IU/ML
498	TRUE	FHA	4.330267e+01	0.78134676	IU/ML
499	TRUE	PT	9.240235e+00	0.50361130	IU/ML
500	TRUE	PRN	7.727307e+01	0.60546556	IU/ML
501	TRUE	FHA	9.731366e+01	1.75591306	IU/ML

502	TRUE	PT	5.360000e-01	0.02921307	IU/ML
503	TRUE	PRN	6.721845e+01	0.52668361	IU/ML
504	TRUE	FHA	1.256411e+02	2.26704872	IU/ML
505	TRUE	PT	4.395969e+01	2.39589088	IU/ML
506	TRUE	PRN	6.191643e+01	0.48514013	IU/ML
507	TRUE	FHA	1.240056e+02	2.23753748	IU/ML
508	TRUE	PT	4.423585e+01	2.41094249	IU/ML
509	TRUE	PRN	6.495799e+01	0.50897195	IU/ML
510	TRUE	FHA	1.263123e+02	2.27916057	IU/ML
511	TRUE	PT	3.389009e+01	1.84707760	IU/ML
512	TRUE	PRN	6.056246e+02	4.74531248	IU/ML
513	TRUE	FHA	2.213402e+02	3.99382986	IU/ML
514	TRUE	PT	2.492037e+01	1.35821005	IU/ML
515	TRUE	PRN	3.061343e+02	2.39868505	IU/ML
516	TRUE	FHA	8.622713e+02	15.55869309	IU/ML
517	TRUE	PT	1.223861e+01	0.66702882	IU/ML
518	TRUE	PRN	1.703891e+02	1.33506725	IU/ML
519	TRUE	FHA	1.188648e+02	2.14477881	IU/ML
520	TRUE	PT	2.153587e+01	1.17374816	IU/ML
521	TRUE	PRN	2.711251e+02	2.12437427	IU/ML
522	TRUE	FHA	3.169670e+02	5.71930478	IU/ML
523	TRUE	PT	1.064620e+02	5.80239345	IU/ML
524	TRUE	PRN	7.828983e+01	0.61343231	IU/ML
525	TRUE	FHA	1.656671e+02	2.98927220	IU/ML
526	TRUE	PT	1.164783e+02	6.34829906	IU/ML
527	TRUE	PRN	2.739379e+03	21.46414001	IU/ML
528	TRUE	FHA	8.683208e+02	15.66784990	IU/ML
529	TRUE	PT	1.415592e+02	7.71525868	IU/ML
530	TRUE	PRN	7.721252e+01	0.60499112	IU/ML
531	TRUE	FHA	1.655496e+02	2.98715170	IU/ML
532	TRUE	PT	8.791129e+01	4.79134103	IU/ML
533	TRUE	PRN	7.120695e+01	0.55793508	IU/ML
534	TRUE	FHA	1.400349e+02	2.52676938	IU/ML
535	TRUE	PT	1.826877e+01	0.99568429	IU/ML
536	TRUE	PRN	8.105148e+02	6.35070974	IU/ML
537	TRUE	FHA	2.761220e+02	4.98230288	IU/ML
538	TRUE	PT	1.437091e+01	0.78324334	IU/ML
539	TRUE	PRN	6.480000e+02	5.07734041	IU/ML
540	TRUE	FHA	2.283490e+02	4.12029580	IU/ML
541	TRUE	PT	1.839418e+01	1.00251948	IU/ML
542	TRUE	PRN	8.381971e+02	6.56761183	IU/ML
543	TRUE	FHA	3.376331e+02	6.09220079	IU/ML
544	TRUE	PT	3.514443e+01	1.91544177	IU/ML

545	TRUE	PRN	1.010125e+03	7.91473216	IU/ML
546	TRUE	FHA	6.726016e+02	12.13632203	IU/ML
547	TRUE	PT	7.509077e+01	4.09259703	IU/ML
548	TRUE	PRN	6.548496e+01	0.51310098	IU/ML
549	TRUE	FHA	1.425463e+02	2.57208395	IU/ML
550	TRUE	PT	7.084239e+01	3.86105190	IU/ML
551	TRUE	PRN	6.474276e+01	0.50728560	IU/ML
552	TRUE	FHA	1.399148e+02	2.52460105	IU/ML
553	TRUE	PT	5.424624e+01	2.95652855	IU/ML
554	TRUE	PRN	6.446300e+01	0.50509355	IU/ML
555	TRUE	FHA	1.368128e+02	2.46862940	IU/ML
556	TRUE	PT	1.023357e+01	0.55774987	IU/ML
557	TRUE	PRN	1.765636e+02	1.38344723	IU/ML
558	TRUE	FHA	5.032715e+01	0.90809544	IU/ML
559	TRUE	PT	7.595422e+00	0.41396569	IU/ML
560	TRUE	PRN	1.378834e+02	1.08037180	IU/ML
561	TRUE	FHA	4.192474e+01	0.75648362	IU/ML
562	TRUE	PT	3.704702e+00	0.20191367	IU/ML
563	TRUE	PRN	7.440739e+01	0.58301185	IU/ML
564	TRUE	FHA	2.504776e+01	0.45195792	IU/ML
565	TRUE	PT	2.155469e+01	1.17477360	IU/ML
566	TRUE	PRN	2.304141e+02	1.80538731	IU/ML
567	TRUE	FHA	2.076633e+02	3.74704449	IU/ML
568	TRUE	PT	6.269973e+01	3.41726062	IU/ML
569	TRUE	PRN	6.029541e+01	0.47243881	IU/ML
570	TRUE	FHA	1.523079e+02	2.74822002	IU/ML
571	TRUE	PT	4.244389e+01	2.31327662	IU/ML
572	TRUE	PRN	4.780363e+02	3.74560671	IU/ML
573	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
574	TRUE	PT	1.543155e+01	0.84105042	IU/ML
575	TRUE	PRN	2.154585e+02	1.68820365	IU/ML
576	TRUE	FHA	1.418372e+02	2.55928904	IU/ML
577	TRUE	PT	2.229580e+00	0.12151655	IU/ML
578	TRUE	PRN	3.927716e+02	3.07752348	IU/ML
579	TRUE	FHA	1.809727e+01	0.32654449	IU/ML
580	TRUE	PT	2.970301e+00	0.16188733	IU/ML
581	TRUE	PRN	4.322572e+02	3.38690880	IU/ML
582	TRUE	FHA	2.041157e+01	0.36830336	IU/ML
583	TRUE	PT	1.609199e+00	0.08770455	IU/ML
584	TRUE	PRN	3.190734e+02	2.50006825	IU/ML
585	TRUE	FHA	1.579621e+01	0.28502440	IU/ML
586	TRUE	PT	1.825555e+01	0.99496392	IU/ML
587	TRUE	PRN	5.776843e+02	4.52638866	IU/ML

588	TRUE	FHA	1.388163e+02	2.50477996	IU/ML
589	TRUE	PT	3.300308e+01	1.79873358	IU/ML
590	TRUE	PRN	6.628568e+02	5.19374938	IU/ML
591	TRUE	FHA	3.412068e+02	6.15668468	IU/ML
592	TRUE	PT	2.724314e+01	1.48480542	IU/ML
593	TRUE	PRN	6.544175e+02	5.12762399	IU/ML
594	TRUE	FHA	1.956978e+02	3.53114150	IU/ML
595	TRUE	PT	4.884167e+00	0.26619685	IU/ML
596	TRUE	PRN	2.725457e+02	2.13550520	IU/ML
597	TRUE	FHA	3.195008e+01	0.57650243	IU/ML
598	TRUE	PT	3.019657e+01	1.64577368	IU/ML
599	TRUE	PRN	1.887245e+02	1.47873267	IU/ML
600	TRUE	FHA	4.130296e+01	0.74526443	IU/ML
601	TRUE	PT	2.746527e+01	1.49691198	IU/ML
602	TRUE	PRN	1.774785e+02	1.39061507	IU/ML
603	TRUE	FHA	3.695811e+01	0.66686660	IU/ML
604	TRUE	PT	2.919055e+01	1.59094337	IU/ML
605	TRUE	PRN	1.713596e+02	1.34267116	IU/ML
606	TRUE	FHA	3.857508e+01	0.69604294	IU/ML
607	TRUE	PT	1.459129e+02	7.95254476	IU/ML
608	TRUE	PRN	7.756558e+01	0.60775754	IU/ML
609	TRUE	FHA	1.263818e+02	2.28041402	IU/ML
610	TRUE	PT	2.727172e+02	14.86363460	IU/ML
611	TRUE	PRN	9.856625e+01	0.77230625	IU/ML
612	TRUE	FHA	1.852151e+02	3.34199330	IU/ML
613	TRUE	PT	4.075844e+02	22.21416301	IU/ML
614	TRUE	PRN	8.511174e+01	0.66688471	IU/ML
615	TRUE	FHA	1.224335e+02	2.20917243	IU/ML
616	TRUE	PT	1.678208e+02	9.14657064	IU/ML
617	TRUE	PRN	7.692317e+01	0.60272400	IU/ML
618	TRUE	FHA	9.935439e+01	1.79273561	IU/ML
619	TRUE	PT	1.020937e+01	0.55643096	IU/ML
620	TRUE	PRN	2.330574e+01	0.18260983	IU/ML
621	TRUE	FHA	3.273027e+01	0.59058005	IU/ML
622	TRUE	PT	1.151975e+01	0.62784956	IU/ML
623	TRUE	PRN	2.585894e+01	0.20261516	IU/ML
624	TRUE	FHA	3.736294e+01	0.67417116	IU/ML
625	TRUE	PT	1.337095e+01	0.72874345	IU/ML
626	TRUE	PRN	2.766489e+01	0.21676551	IU/ML
627	TRUE	FHA	3.872167e+01	0.69868801	IU/ML
628	TRUE	PT	3.134043e+01	1.70811604	IU/ML
629	TRUE	PRN	1.369927e+02	1.07339324	IU/ML
630	TRUE	FHA	8.749640e+01	1.57877192	IU/ML

631	TRUE	PT	1.540787e+02	8.39759673	IU/ML
632	TRUE	PRN	7.607719e+01	0.59609541	IU/ML
633	TRUE	FHA	2.512554e+02	4.53361433	IU/ML
634	TRUE	PT	1.262250e+02	6.87951327	IU/ML
635	TRUE	PRN	7.418704e+01	0.58128534	IU/ML
636	TRUE	FHA	1.605444e+02	2.89683818	IU/ML
637	TRUE	PT	7.603800e+01	4.14422283	IU/ML
638	TRUE	PRN	6.820847e+01	0.53444079	IU/ML
639	TRUE	FHA	1.451946e+02	2.61986920	IU/ML
640	TRUE	PT	2.169251e+01	1.18228510	IU/ML
641	TRUE	PRN	2.073119e+02	1.62437247	IU/ML
642	TRUE	FHA	9.843216e+01	1.77609497	IU/ML
643	TRUE	PT	2.065205e+01	1.12557828	IU/ML
644	TRUE	PRN	2.022158e+02	1.58444210	IU/ML
645	TRUE	FHA	9.041157e+01	1.63137276	IU/ML
646	TRUE	PT	2.410600e+01	1.31382533	IU/ML
647	TRUE	PRN	2.331715e+02	1.82699251	IU/ML
648	TRUE	FHA	1.095883e+02	1.97739497	IU/ML
649	TRUE	PT	1.723144e+02	9.39148179	IU/ML
650	TRUE	PRN	6.877275e+01	0.53886220	IU/ML
651	TRUE	FHA	1.710255e+02	3.08595837	IU/ML
652	TRUE	PT	1.407706e+02	7.67228073	IU/ML
653	TRUE	PRN	6.638691e+01	0.52016817	IU/ML
654	TRUE	FHA	2.512554e+02	4.53361433	IU/ML
655	TRUE	PT	3.968596e+01	2.16296414	IU/ML
656	TRUE	PRN	5.767023e+01	0.45186945	IU/ML
657	TRUE	FHA	1.898114e+02	3.42492794	IU/ML
658	TRUE	PT	2.751197e+01	1.49945725	IU/ML
659	TRUE	PRN	2.683680e+02	2.10277123	IU/ML
660	TRUE	FHA	1.245341e+02	2.24707515	IU/ML
661	TRUE	PT	2.360127e+01	1.28631632	IU/ML
662	TRUE	PRN	1.729356e+02	1.35502023	IU/ML
663	TRUE	FHA	1.321948e+02	2.38530336	IU/ML
664	TRUE	PT	3.265219e+01	1.77960983	IU/ML
665	TRUE	PRN	2.604134e+02	2.04044382	IU/ML
666	TRUE	FHA	1.916896e+02	3.45881836	IU/ML
667	TRUE	PT	4.159569e+01	2.26704815	IU/ML
668	TRUE	PRN	3.924922e+02	3.07533393	IU/ML
669	TRUE	FHA	4.026069e+02	7.26457838	IU/ML
670	TRUE	PT	7.345474e+01	4.00342993	IU/ML
671	TRUE	PRN	5.810963e+01	0.45531235	IU/ML
672	TRUE	FHA	1.282411e+02	2.31396251	IU/ML
673	TRUE	PT	7.734049e+01	4.21521124	IU/ML

674	TRUE	PRN	9.832758e+02	7.70436161	IU/ML
675	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
676	TRUE	PT	6.973527e+01	3.80071177	IU/ML
677	TRUE	PRN	6.469558e+01	0.50691593	IU/ML
678	TRUE	FHA	1.243780e+02	2.24425816	IU/ML
679	TRUE	PT	4.484448e+01	2.44411398	IU/ML
680	TRUE	PRN	1.036777e+03	8.12356347	IU/ML
681	TRUE	FHA	7.739940e+02	13.96583121	IU/ML
682	TRUE	PT	1.940079e+01	1.05738162	IU/ML
683	TRUE	PRN	5.162612e+02	4.04511425	IU/ML
684	TRUE	FHA	1.667810e+02	3.00937067	IU/ML
685	TRUE	PT	9.597456e+00	0.52308055	IU/ML
686	TRUE	PRN	2.537477e+02	1.98821536	IU/ML
687	TRUE	FHA	7.883554e+01	1.42249665	IU/ML
688	TRUE	PT	1.087948e+01	0.59295350	IU/ML
689	TRUE	PRN	3.115021e+02	2.44074409	IU/ML
690	TRUE	FHA	8.862229e+01	1.59908731	IU/ML
691	TRUE	PT	2.676206e+01	1.45858577	IU/ML
692	TRUE	PRN	5.566831e+02	4.36183577	IU/ML
693	TRUE	FHA	1.340123e+02	2.41809709	IU/ML
694	TRUE	PT	4.140028e+01	2.25639777	IU/ML
695	TRUE	PRN	5.851944e+02	4.58523351	IU/ML
696	TRUE	FHA	1.890452e+02	3.41110325	IU/ML
697	TRUE	PT	2.243961e+01	1.22300337	IU/ML
698	TRUE	PRN	3.343827e+02	2.62002329	IU/ML
699	TRUE	FHA	1.025136e+02	1.84973914	IU/ML
700	TRUE	PT	7.505371e+00	0.40905771	IU/ML
701	TRUE	PRN	8.596242e+01	0.67355012	IU/ML
702	TRUE	FHA	5.801629e+01	1.04683718	IU/ML
703	TRUE	PT	4.670559e+00	0.25455480	IU/ML
704	TRUE	PRN	6.019109e+01	0.47162139	IU/ML
705	TRUE	FHA	4.003441e+01	0.72237493	IU/ML
706	TRUE	PT	2.580434e+01	1.40638789	IU/ML
707	TRUE	PRN	1.008190e+03	7.89957175	IU/ML
708	TRUE	FHA	2.668517e+02	4.81503241	IU/ML
709	TRUE	PT	2.103225e+01	1.14629948	IU/ML
710	TRUE	PRN	6.616176e+02	5.18404011	IU/ML
711	TRUE	FHA	1.300057e+02	2.34580273	IU/ML
712	TRUE	PT	2.126563e+01	1.15901953	IU/ML
713	TRUE	PRN	6.375256e+02	4.99526939	IU/ML
714	TRUE	FHA	1.244909e+02	2.24629557	IU/ML
715	TRUE	PT	1.297263e+01	0.70703442	IU/ML
716	TRUE	PRN	6.116588e+01	0.47925926	IU/ML

717	TRUE	FHA	4.234954e+01	0.76414879	IU/ML
718	TRUE	PT	9.933649e+00	0.54140374	IU/ML
719	TRUE	PRN	4.861818e+01	0.38094303	IU/ML
720	TRUE	FHA	3.557965e+01	0.64199383	IU/ML
721	TRUE	PT	8.835470e+00	0.48155077	IU/ML
722	TRUE	PRN	4.144271e+01	0.32472034	IU/ML
723	TRUE	FHA	3.262979e+01	0.58876696	IU/ML
724	TRUE	PT	9.024783e+01	4.91868692	IU/ML
725	TRUE	PRN	6.141924e+01	0.48124445	IU/ML
726	TRUE	FHA	1.295380e+02	2.33736466	IU/ML
727	TRUE	PT	1.211634e+02	6.60364528	IU/ML
728	TRUE	PRN	7.285579e+01	0.57085443	IU/ML
729	TRUE	FHA	1.638311e+02	2.95614297	IU/ML
730	TRUE	PT	5.811900e+01	3.16760167	IU/ML
731	TRUE	PRN	6.522708e+01	0.51108038	IU/ML
732	TRUE	FHA	1.352731e+02	2.44084740	IU/ML
733	TRUE	PT	1.678167e+01	0.91463437	IU/ML
734	TRUE	PRN	3.254907e+02	2.55035096	IU/ML
735	TRUE	FHA	1.045611e+02	1.88668527	IU/ML
736	TRUE	PT	7.433043e+00	0.40511568	IU/ML
737	TRUE	PRN	7.265556e+01	0.56928552	IU/ML
738	TRUE	FHA	6.689593e+01	1.20706003	IU/ML
739	TRUE	PT	2.402022e+02	13.09150273	IU/ML
740	TRUE	PRN	7.624558e+01	0.59741482	IU/ML
741	TRUE	FHA	1.079170e+02	1.94723859	IU/ML
742	TRUE	PT	4.231762e+00	0.23063950	IU/ML
743	TRUE	PRN	5.255804e+01	0.41181337	IU/ML
744	TRUE	FHA	4.666403e+01	0.84199874	IU/ML
745	TRUE	PT	7.188113e+01	3.91766514	IU/ML
746	TRUE	PRN	5.571441e+01	0.43654484	IU/ML
747	TRUE	FHA	1.199849e+02	2.16498960	IU/ML
748	TRUE	PT	1.580558e+02	8.61435564	IU/ML
749	TRUE	PRN	7.541426e+01	0.59090103	IU/ML
750	TRUE	FHA	1.512047e+02	2.72831522	IU/ML
751	TRUE	PT	1.065845e+02	5.80906991	IU/ML
752	TRUE	PRN	7.378435e+01	0.57813008	IU/ML
753	TRUE	FHA	1.351576e+02	2.43876308	IU/ML
754	TRUE	PT	4.548803e+01	2.47918867	IU/ML
755	TRUE	PRN	7.402186e+01	0.57999103	IU/ML
756	TRUE	FHA	1.290268e+02	2.32813963	IU/ML
757	TRUE	PT	1.537562e+01	0.83800194	IU/ML
758	TRUE	PRN	1.060853e+02	0.83122095	IU/ML
759	TRUE	FHA	2.525913e+01	0.45577196	IU/ML

760	TRUE	PT	1.791079e+01	0.97617404	IU/ML
761	TRUE	PRN	1.229962e+02	0.96372447	IU/ML
762	TRUE	FHA	2.784024e+01	0.50234506	IU/ML
763	TRUE	PT	1.095040e+01	0.59681859	IU/ML
764	TRUE	PRN	8.744610e+01	0.68517534	IU/ML
765	TRUE	FHA	2.004209e+01	0.36163648	IU/ML
766	TRUE	PT	9.736591e+01	5.30663653	IU/ML
767	TRUE	PRN	5.346081e+01	0.41888696	IU/ML
768	TRUE	FHA	1.129374e+02	2.03782584	IU/ML
769	TRUE	PT	1.450357e+02	7.90473632	IU/ML
770	TRUE	PRN	6.075938e+01	0.47607422	IU/ML
771	TRUE	FHA	1.210466e+02	2.18414707	IU/ML
772	TRUE	PT	1.085604e+02	5.91676096	IU/ML
773	TRUE	PRN	5.825794e+01	0.45647437	IU/ML
774	TRUE	FHA	1.125551e+02	2.03092715	IU/ML
775	TRUE	PT	3.657272e+01	1.99328622	IU/ML
776	TRUE	PRN	5.280056e+01	0.41371360	IU/ML
777	TRUE	FHA	1.023181e+02	1.84621313	IU/ML
778	TRUE	PT	2.599431e+01	1.41674185	IU/ML
779	TRUE	PRN	1.210951e+03	9.48828973	IU/ML
780	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
781	TRUE	PT	2.673853e+01	1.45730338	IU/ML
782	TRUE	PRN	4.740327e+02	3.71423673	IU/ML
783	TRUE	FHA	1.221231e+02	2.20357146	IU/ML
784	TRUE	PT	2.973470e+01	1.62060080	IU/ML
785	TRUE	PRN	1.290094e+03	10.10840419	IU/ML
786	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
787	TRUE	PT	7.844682e+01	4.27550833	IU/ML
788	TRUE	PRN	1.891719e+03	14.82237945	IU/ML
789	TRUE	FHA	3.813365e+02	6.88077857	IU/ML
790	TRUE	PT	1.985910e+02	10.82360502	IU/ML
791	TRUE	PRN	4.744805e+03	37.17745881	IU/ML
792	TRUE	FHA	8.901165e+03	160.61127768	IU/ML
793	TRUE	PT	1.582781e+02	8.62647047	IU/ML
794	TRUE	PRN	5.313580e+03	41.63403843	IU/ML
795	TRUE	FHA	5.200000e+03	93.82801540	IU/ML
796	TRUE	PT	1.062967e+02	5.79338157	IU/ML
797	TRUE	PRN	5.141615e+03	40.28662011	IU/ML
798	TRUE	FHA	5.510706e+03	99.43435209	IU/ML
799	TRUE	PT	2.143544e+01	1.16827445	IU/ML
800	TRUE	PRN	6.251123e+02	4.89800635	IU/ML
801	TRUE	FHA	4.578810e+01	0.82619351	IU/ML
802	TRUE	PT	1.991070e+01	1.08517287	IU/ML

803	TRUE	PRN	5.547611e+02	4.34677643	IU/ML
804	TRUE	FHA	4.249200e+01	0.76671918	IU/ML
805	TRUE	PT	1.986568e+01	1.08271954	IU/ML
806	TRUE	PRN	5.543428e+02	4.34349916	IU/ML
807	TRUE	FHA	4.463131e+01	0.80532070	IU/ML
808	TRUE	PT	1.462475e+02	7.97078041	IU/ML
809	TRUE	PRN	6.968815e+01	0.54603470	IU/ML
810	TRUE	FHA	1.198196e+02	2.16200669	IU/ML
811	TRUE	PT	1.626313e+02	8.86373049	IU/ML
812	TRUE	PRN	7.393581e+01	0.57931680	IU/ML
813	TRUE	FHA	1.450590e+02	2.61742201	IU/ML
814	TRUE	PT	1.405726e+02	7.66148966	IU/ML
815	TRUE	PRN	7.768805e+01	0.60871715	IU/ML
816	TRUE	FHA	1.395369e+02	2.51778313	IU/ML
817	TRUE	PT	6.919271e+01	3.77114100	IU/ML
818	TRUE	PRN	7.464587e+01	0.58488039	IU/ML
819	TRUE	FHA	1.218328e+02	2.19833265	IU/ML
820	TRUE	PT	1.842714e+01	1.00431571	IU/ML
821	TRUE	PRN	1.887323e+02	1.47879362	IU/ML
822	TRUE	FHA	5.674116e+01	1.02382899	IU/ML
823	TRUE	PT	1.469892e+01	0.80112055	IU/ML
824	TRUE	PRN	1.565405e+02	1.22655752	IU/ML
825	TRUE	FHA	4.662392e+01	0.84127492	IU/ML
826	TRUE	PT	1.418438e+01	0.77307707	IU/ML
827	TRUE	PRN	1.503740e+02	1.17824065	IU/ML
828	TRUE	FHA	4.454959e+01	0.80384615	IU/ML
829	TRUE	PT	2.650881e+01	1.44478329	IU/ML
830	TRUE	PRN	1.284311e+03	10.06309484	IU/ML
831	TRUE	FHA	2.400830e+02	4.33202170	IU/ML
832	TRUE	PT	4.347727e+01	2.36959803	IU/ML
833	TRUE	PRN	2.016905e+03	15.80326165	IU/ML
834	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
835	TRUE	PT	3.329199e+01	1.81448018	IU/ML
836	TRUE	PRN	1.341895e+03	10.51428972	IU/ML
837	TRUE	FHA	1.540964e+03	27.80492851	IU/ML
838	TRUE	PT	2.161737e+01	1.17818975	IU/ML
839	TRUE	PRN	5.971011e+02	4.67852695	IU/ML
840	TRUE	FHA	1.387829e+02	2.50417845	IU/ML
841	TRUE	PT	1.657742e+01	0.90350269	IU/ML
842	TRUE	PRN	8.386397e+01	0.65710797	IU/ML
843	TRUE	FHA	2.454834e+01	0.44294654	IU/ML
844	TRUE	PT	1.471312e+01	0.80189472	IU/ML
845	TRUE	PRN	7.533378e+01	0.59027047	IU/ML

846	TRUE	FHA	2.245076e+01	0.40509810	IU/ML
847	TRUE	PT	1.634493e+01	0.89083146	IU/ML
848	TRUE	PRN	8.025383e+01	0.62882103	IU/ML
849	TRUE	FHA	2.433998e+01	0.43918684	IU/ML
850	TRUE	PT	2.308181e+02	12.58004938	IU/ML
851	TRUE	PRN	8.103991e+01	0.63498030	IU/ML
852	TRUE	FHA	1.326064e+02	2.39273025	IU/ML
853	TRUE	PT	2.938809e+02	16.01709610	IU/ML
854	TRUE	PRN	9.228396e+01	0.72308196	IU/ML
855	TRUE	FHA	1.599920e+02	2.88687165	IU/ML
856	TRUE	PT	1.799022e+02	9.80502883	IU/ML
857	TRUE	PRN	7.153788e+01	0.56052804	IU/ML
858	TRUE	FHA	1.327670e+02	2.39562784	IU/ML
859	TRUE	PT	6.102118e+01	3.32577632	IU/ML
860	TRUE	PRN	5.700062e+01	0.44662276	IU/ML
861	TRUE	FHA	1.101578e+02	1.98766993	IU/ML
862	TRUE	PT	1.891160e+00	0.10307198	IU/ML
863	TRUE	PRN	1.784666e+01	0.13983577	IU/ML
864	TRUE	FHA	1.476261e+01	0.26637422	IU/ML
865	TRUE	PT	2.467442e+00	0.13448051	IU/ML
866	TRUE	PRN	1.968173e+01	0.15421427	IU/ML
867	TRUE	FHA	1.549537e+01	0.27959607	IU/ML
868	TRUE	PT	5.360000e-01	0.02921307	IU/ML
869	TRUE	PRN	8.764068e+00	0.06867000	IU/ML
870	TRUE	FHA	7.942580e+00	0.14331472	IU/ML
871	TRUE	PT	7.765449e+00	0.42323251	IU/ML
872	TRUE	PRN	1.789870e+02	1.40243515	IU/ML
873	TRUE	FHA	2.324352e+02	4.19402483	IU/ML
874	TRUE	PT	3.849907e+01	2.09827627	IU/ML
875	TRUE	PRN	1.562215e+03	12.24058255	IU/ML
876	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
877	TRUE	PT	4.788488e+00	0.26098216	IU/ML
878	TRUE	PRN	2.072009e+02	1.62350205	IU/ML
879	TRUE	FHA	7.250225e+01	1.30821972	IU/ML
880	TRUE	PT	1.805916e+02	9.84260193	IU/ML
881	TRUE	PRN	4.162689e+01	0.32616344	IU/ML
882	TRUE	FHA	1.148528e+02	2.07238618	IU/ML
883	TRUE	PT	1.954764e+02	10.65385586	IU/ML
884	TRUE	PRN	4.335671e+01	0.33971727	IU/ML
885	TRUE	FHA	1.170185e+02	2.11146482	IU/ML
886	TRUE	PT	1.731525e+02	9.43715476	IU/ML
887	TRUE	PRN	4.096267e+01	0.32095896	IU/ML
888	TRUE	FHA	1.144381e+02	2.06490401	IU/ML

889	TRUE	PT	2.393218e+02	13.04351917	IU/ML
890	TRUE	PRN	7.104593e+01	0.55667348	IU/ML
891	TRUE	FHA	1.373493e+02	2.47831062	IU/ML
892	TRUE	PT	2.012391e+02	10.96793431	IU/ML
893	TRUE	PRN	6.857089e+01	0.53728052	IU/ML
894	TRUE	FHA	1.380911e+02	2.49169505	IU/ML
895	TRUE	PT	9.749316e+01	5.31357197	IU/ML
896	TRUE	PRN	5.852579e+01	0.45857315	IU/ML
897	TRUE	FHA	1.086383e+02	1.96025303	IU/ML
898	TRUE	PT	9.446639e+01	5.14860711	IU/ML
899	TRUE	PRN	5.943226e+01	0.46567570	IU/ML
900	TRUE	FHA	1.104782e+02	1.99345154	IU/ML
901	TRUE	PT	1.039093e+02	5.66326261	IU/ML
902	TRUE	PRN	5.948904e+01	0.46612054	IU/ML
903	TRUE	FHA	1.096026e+02	1.97765308	IU/ML
904	TRUE	PT	2.251260e+02	12.26981730	IU/ML
905	TRUE	PRN	7.177704e+01	0.56240199	IU/ML
906	TRUE	FHA	1.393958e+02	2.51523719	IU/ML
907	TRUE	PT	2.808927e+02	15.30921334	IU/ML
908	TRUE	PRN	8.341371e+01	0.65357997	IU/ML
909	TRUE	FHA	1.659573e+02	2.99450810	IU/ML
910	TRUE	PT	2.154813e+02	11.74416023	IU/ML
911	TRUE	PRN	7.951684e+01	0.62304639	IU/ML
912	TRUE	FHA	1.490449e+02	2.68934382	IU/ML
913	TRUE	PT	1.707925e+02	9.30853210	IU/ML
914	TRUE	PRN	7.365216e+01	0.57709431	IU/ML
915	TRUE	FHA	1.389999e+02	2.50809238	IU/ML
916	TRUE	PT	5.360000e-01	0.02921307	IU/ML
917	TRUE	PRN	1.332437e+02	1.04401825	IU/ML
918	TRUE	FHA	2.198101e+01	0.39662206	IU/ML
919	TRUE	PT	5.360000e-01	0.02921307	IU/ML
920	TRUE	PRN	7.014974e+01	0.54965143	IU/ML
921	TRUE	FHA	1.153514e+01	0.20813832	IU/ML
922	TRUE	PT	5.360000e-01	0.02921307	IU/ML
923	TRUE	PRN	1.079205e+00	0.04862611	IU/ML
924	TRUE	FHA	1.000000e-02	0.08443681	IU/ML
925	TRUE	PT	3.574487e+00	0.19481668	IU/ML
926	TRUE	PRN	6.512162e+02	5.10254111	IU/ML
927	TRUE	FHA	1.179531e+02	2.12832883	IU/ML
928	TRUE	PT	5.360000e-01	0.02921307	IU/ML
929	TRUE	PRN	7.492671e+01	0.58708094	IU/ML
930	TRUE	FHA	1.407944e+02	2.54047364	IU/ML
931	TRUE	PT	5.383180e+00	0.29339408	IU/ML

932	TRUE	PRN	9.394406e+02	7.36089515	IU/ML
933	TRUE	FHA	2.060484e+02	3.71790599	IU/ML
934	TRUE	PT	1.736680e+00	0.09465256	IU/ML
935	TRUE	PRN	3.639498e+02	2.85169326	IU/ML
936	TRUE	FHA	5.278889e+01	0.95251479	IU/ML
937	TRUE	PT	1.623514e+01	0.88484777	IU/ML
938	TRUE	PRN	1.326963e+02	1.03972910	IU/ML
939	TRUE	FHA	3.815781e+01	0.68851377	IU/ML
940	TRUE	PT	1.359047e+01	0.74070760	IU/ML
941	TRUE	PRN	1.218211e+02	0.95451708	IU/ML
942	TRUE	FHA	3.293418e+01	0.59425942	IU/ML
943	TRUE	PT	1.627634e+01	0.88709323	IU/ML
944	TRUE	PRN	1.395922e+02	1.09376073	IU/ML
945	TRUE	FHA	3.764493e+01	0.67925940	IU/ML
946	TRUE	PT	1.023437e+02	5.57793682	IU/ML
947	TRUE	PRN	6.940100e+01	0.54378476	IU/ML
948	TRUE	FHA	1.242109e+02	2.24124315	IU/ML
949	TRUE	PT	1.399996e+02	7.63025546	IU/ML
950	TRUE	PRN	7.456771e+01	0.58426802	IU/ML
951	TRUE	FHA	1.405517e+02	2.53609433	IU/ML
952	TRUE	PT	1.158109e+02	6.31192769	IU/ML
953	TRUE	PRN	6.867918e+01	0.53812901	IU/ML
954	TRUE	FHA	1.347001e+02	2.43050802	IU/ML
955	TRUE	PT	5.811900e+01	3.16760167	IU/ML
956	TRUE	PRN	6.029994e+01	0.47247427	IU/ML
957	TRUE	FHA	1.212436e+02	2.18770201	IU/ML
958	TRUE	PT	7.738694e+00	0.42177432	IU/ML
959	TRUE	PRN	3.177580e+01	0.24897621	IU/ML
960	TRUE	FHA	2.931012e+01	0.52886735	IU/ML
961	TRUE	PT	6.993442e+00	0.38115658	IU/ML
962	TRUE	PRN	2.944418e+01	0.23070696	IU/ML
963	TRUE	FHA	2.841115e+01	0.51264647	IU/ML
964	TRUE	PT	3.478644e+00	0.18959303	IU/ML
965	TRUE	PRN	1.667368e+01	0.13064497	IU/ML
966	TRUE	FHA	1.695892e+01	0.30600420	IU/ML
967	TRUE	PT	1.656378e+01	0.90275896	IU/ML
968	TRUE	PRN	3.051792e+02	2.39120190	IU/ML
969	TRUE	FHA	7.735306e+01	1.39574702	IU/ML
970	TRUE	PT	5.288206e+01	2.88217808	IU/ML
971	TRUE	PRN	7.986072e+01	0.62574085	IU/ML
972	TRUE	FHA	1.484949e+02	2.67942011	IU/ML
973	TRUE	PT	4.468982e+01	2.43568435	IU/ML
974	TRUE	PRN	7.516468e+01	0.58894548	IU/ML

975	TRUE	FHA	1.380163e+02	2.49034494	IU/ML
976	TRUE	PT	2.099432e+01	1.14423265	IU/ML
977	TRUE	PRN	6.537762e+02	5.12259946	IU/ML
978	TRUE	FHA	1.145478e+02	2.06688352	IU/ML
979	TRUE	PT	2.889154e+01	1.57464676	IU/ML
980	TRUE	PRN	3.171505e+01	0.24850018	IU/ML
981	TRUE	FHA	3.607467e+01	0.65092588	IU/ML
982	TRUE	PT	2.841253e+01	1.54853942	IU/ML
983	TRUE	PRN	3.238278e+01	0.25373213	IU/ML
984	TRUE	FHA	3.626359e+01	0.65433471	IU/ML
985	TRUE	PT	2.086143e+01	1.13698953	IU/ML
986	TRUE	PRN	3.658080e+02	2.86625271	IU/ML
987	TRUE	FHA	8.628959e+01	1.55699630	IU/ML
988	TRUE	PT	3.855953e+01	2.10157135	IU/ML
989	TRUE	PRN	5.204943e+02	4.07828188	IU/ML
990	TRUE	FHA	9.497288e+01	1.71367633	IU/ML
991	TRUE	PT	7.357354e+01	4.00990527	IU/ML
992	TRUE	PRN	8.217151e+01	0.64384683	IU/ML
993	TRUE	FHA	1.385960e+02	2.50080493	IU/ML
994	TRUE	PT	5.363396e+01	2.92315807	IU/ML
995	TRUE	PRN	2.490808e+02	1.95164813	IU/ML
996	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
997	TRUE	PT	4.938502e+01	2.69158207	IU/ML
998	TRUE	PRN	2.376116e+02	1.86178280	IU/ML
999	TRUE	FHA	3.275280e+03	59.09866446	IU/ML
1000	TRUE	PT	5.360000e-01	0.02921307	IU/ML
1001	TRUE	PRN	5.143033e+01	0.40297732	IU/ML
1002	TRUE	FHA	1.301138e+02	2.34775303	IU/ML
1003	TRUE	PT	6.486963e+01	3.53552427	IU/ML
1004	TRUE	PRN	5.776445e+01	0.45260770	IU/ML
1005	TRUE	FHA	1.374998e+02	2.48102495	IU/ML
1006	TRUE	PT	1.099980e+02	5.99511003	IU/ML
1007	TRUE	PRN	6.913304e+01	0.54168516	IU/ML
1008	TRUE	FHA	1.678602e+02	3.02884363	IU/ML
1009	TRUE	PT	3.593304e+01	1.95842264	IU/ML
1010	TRUE	PRN	6.080802e+01	0.47645529	IU/ML
1011	TRUE	FHA	1.409726e+02	2.54368858	IU/ML
1012	TRUE	PT	2.182097e+01	1.18928641	IU/ML
1013	TRUE	PRN	5.993530e+01	0.46961722	IU/ML
1014	TRUE	FHA	1.386949e+02	2.50258983	IU/ML
1015	TRUE	PT	3.135649e+02	17.08991541	IU/ML
1016	TRUE	PRN	4.922250e+01	0.38567806	IU/ML
1017	TRUE	FHA	1.520250e+02	2.74311657	IU/ML

1018	TRUE	PT	1.626649e+02	8.86556036	IU/ML
1019	TRUE	PRN	2.988739e+01	0.23417971	IU/ML
1020	TRUE	FHA	1.662803e+02	3.00033714	IU/ML
1021	TRUE	PT	1.126574e+02	6.14005148	IU/ML
1022	TRUE	PRN	2.294542e+01	0.17978656	IU/ML
1023	TRUE	FHA	1.236309e+02	2.23077721	IU/ML
1024	TRUE	PT	1.235583e+02	6.73417266	IU/ML
1025	TRUE	PRN	4.913634e+01	0.38500300	IU/ML
1026	TRUE	FHA	1.193329e+02	2.15322429	IU/ML
1027	TRUE	PT	2.192793e+02	11.95116199	IU/ML
1028	TRUE	PRN	6.055229e+01	0.47445156	IU/ML
1029	TRUE	FHA	1.671654e+02	3.01630766	IU/ML
1030	TRUE	PT	1.401067e+02	7.63609789	IU/ML
1031	TRUE	PRN	4.806651e+01	0.37662044	IU/ML
1032	TRUE	FHA	1.419408e+02	2.56115882	IU/ML
1033	TRUE	PT	1.270450e+02	6.92420856	IU/ML
1034	TRUE	PRN	4.701240e+01	0.36836110	IU/ML
1035	TRUE	FHA	1.389588e+02	2.50735244	IU/ML
1036	TRUE	PT	6.455294e+01	3.51826438	IU/ML
1037	TRUE	PRN	4.702003e+01	0.36842086	IU/ML
1038	TRUE	FHA	1.080488e+02	1.94961650	IU/ML
1039	TRUE	PT	5.466709e+01	2.97946590	IU/ML
1040	TRUE	PRN	4.620616e+01	0.36204381	IU/ML
1041	TRUE	FHA	1.051380e+02	1.89709431	IU/ML
1042	TRUE	PT	3.128600e+01	1.70514930	IU/ML
1043	TRUE	PRN	4.432966e+01	0.34734073	IU/ML
1044	TRUE	FHA	1.017924e+02	1.83672583	IU/ML
1045	TRUE	PT	1.342113e+02	7.31478393	IU/ML
1046	TRUE	PRN	6.256318e+01	0.49020765	IU/ML
1047	TRUE	FHA	1.117118e+02	2.01571100	IU/ML
1048	TRUE	PT	1.723631e+02	9.39413524	IU/ML
1049	TRUE	PRN	6.951504e+01	0.54467831	IU/ML
1050	TRUE	FHA	1.212905e+02	2.18854747	IU/ML
1051	TRUE	PT	1.583413e+02	8.62991960	IU/ML
1052	TRUE	PRN	6.487054e+01	0.50828675	IU/ML
1053	TRUE	FHA	1.307184e+02	2.35866265	IU/ML
1054	TRUE	PT	1.506017e+02	8.20809541	IU/ML
1055	TRUE	PRN	6.609337e+01	0.51786811	IU/ML
1056	TRUE	FHA	1.232169e+02	2.22330785	IU/ML
1057	TRUE	PT	6.236853e+00	0.33992094	IU/ML
1058	TRUE	PRN	1.225554e+02	0.96027090	IU/ML
1059	TRUE	FHA	3.303900e+01	0.59615069	IU/ML
1060	TRUE	PT	8.250169e+00	0.44965073	IU/ML

1061	TRUE	PRN	1.656491e+02	1.29792752	IU/ML
1062	TRUE	FHA	4.247567e+01	0.76642449	IU/ML
1063	TRUE	PT	3.960090e+00	0.21583280	IU/ML
1064	TRUE	PRN	8.631703e+01	0.67632863	IU/ML
1065	TRUE	FHA	2.696432e+01	0.48654013	IU/ML
1066	TRUE	PT	4.716210e+01	2.57042853	IU/ML
1067	TRUE	PRN	6.560906e+01	0.51407337	IU/ML
1068	TRUE	FHA	1.197446e+02	2.16065298	IU/ML
1069	TRUE	PT	1.206523e+02	6.57578973	IU/ML
1070	TRUE	PRN	7.409696e+01	0.58057950	IU/ML
1071	TRUE	FHA	1.352279e+02	2.44003253	IU/ML
1072	TRUE	PT	9.477905e+01	5.16564782	IU/ML
1073	TRUE	PRN	7.223840e+01	0.56601689	IU/ML
1074	TRUE	FHA	1.218390e+02	2.19844500	IU/ML
1075	TRUE	PT	9.057606e+01	4.93657616	IU/ML
1076	TRUE	PRN	7.185824e+01	0.56303824	IU/ML
1077	TRUE	FHA	1.208574e+02	2.18073251	IU/ML
1078	TRUE	PT	1.520603e+02	8.28759185	IU/ML
1079	TRUE	PRN	4.939791e+01	0.38705253	IU/ML
1080	TRUE	FHA	6.532508e+01	1.17871580	IU/ML
1081	TRUE	PT	1.637493e+02	8.92466390	IU/ML
1082	TRUE	PRN	5.032131e+01	0.39428772	IU/ML
1083	TRUE	FHA	7.614673e+01	1.37398017	IU/ML
1084	TRUE	PT	1.690590e+02	9.21405607	IU/ML
1085	TRUE	PRN	5.051632e+01	0.39581571	IU/ML
1086	TRUE	FHA	7.969666e+01	1.43803450	IU/ML
1087	TRUE	PT	1.975188e+02	10.76516737	IU/ML
1088	TRUE	PRN	5.937423e+01	0.46522095	IU/ML
1089	TRUE	FHA	1.071585e+02	1.93355169	IU/ML
1090	TRUE	PT	2.025211e+02	11.03780589	IU/ML
1091	TRUE	PRN	6.119502e+01	0.47948763	IU/ML
1092	TRUE	FHA	1.135108e+02	2.04817157	IU/ML
1093	TRUE	PT	1.766280e+02	9.62657769	IU/ML
1094	TRUE	PRN	5.737026e+01	0.44951908	IU/ML
1095	TRUE	FHA	1.057175e+02	1.90754974	IU/ML
1096	TRUE	PT	1.500179e+02	8.17627776	IU/ML
1097	TRUE	PRN	5.329460e+01	0.41758466	IU/ML
1098	TRUE	FHA	9.552736e+01	1.72368130	IU/ML
1099	TRUE	PT	3.751622e+00	0.20447092	IU/ML
1100	TRUE	PRN	1.048392e+01	0.08214574	IU/ML
1101	TRUE	FHA	6.907343e+00	0.12463505	IU/ML
1102	TRUE	PT	1.427234e+00	0.07778712	IU/ML
1103	TRUE	PRN	6.205949e+00	0.04862611	IU/ML

1104	TRUE	FHA	4.679535e+00	0.08443681	IU/ML
1105	TRUE	PT	4.464164e+00	0.24330586	IU/ML
1106	TRUE	PRN	1.292499e+01	0.10127252	IU/ML
1107	TRUE	FHA	7.960990e+00	0.14364691	IU/ML
1108	TRUE	PT	6.028974e+01	3.28591154	IU/ML
1109	TRUE	PRN	6.302496e+01	0.49382589	IU/ML
1110	TRUE	FHA	1.144332e+02	2.06481514	IU/ML
1111	TRUE	PT	8.300331e+01	4.52384648	IU/ML
1112	TRUE	PRN	6.966241e+01	0.54583301	IU/ML
1113	TRUE	FHA	1.243862e+02	2.24440546	IU/ML
1114	TRUE	PT	7.641164e+01	4.16458701	IU/ML
1115	TRUE	PRN	7.105045e+01	0.55670885	IU/ML
1116	TRUE	FHA	1.249747e+02	2.25502390	IU/ML
1117	TRUE	PT	3.410543e+01	1.85881424	IU/ML
1118	TRUE	PRN	9.599173e+02	7.52133802	IU/ML
1119	TRUE	FHA	1.070672e+02	1.93190476	IU/ML
1120	TRUE	PT	1.598721e+01	0.87133475	IU/ML
1121	TRUE	PRN	2.997901e+01	0.23489761	IU/ML
1122	TRUE	FHA	6.383670e+01	1.15185979	IU/ML
1123	TRUE	PT	2.552458e+01	1.39114064	IU/ML
1124	TRUE	PRN	4.919889e+01	0.38549309	IU/ML
1125	TRUE	FHA	1.061986e+02	1.91623065	IU/ML
1126	TRUE	PT	3.062824e+01	1.66930048	IU/ML
1127	TRUE	PRN	5.856023e+01	0.45884298	IU/ML
1128	TRUE	FHA	1.251193e+02	2.25763411	IU/ML
1129	TRUE	PT	1.850249e+02	10.08422490	IU/ML
1130	TRUE	PRN	6.585658e+01	0.51601279	IU/ML
1131	TRUE	FHA	1.389610e+02	2.50739138	IU/ML
1132	TRUE	PT	2.233094e+02	12.17081132	IU/ML
1133	TRUE	PRN	7.627330e+01	0.59763200	IU/ML
1134	TRUE	FHA	1.752777e+02	3.16268449	IU/ML
1135	TRUE	PT	1.962044e+02	10.69353185	IU/ML
1136	TRUE	PRN	7.413431e+01	0.58087211	IU/ML
1137	TRUE	FHA	1.617351e+02	2.91832354	IU/ML
1138	TRUE	PT	8.720626e+01	4.75291554	IU/ML
1139	TRUE	PRN	6.274321e+01	0.49161832	IU/ML
1140	TRUE	FHA	1.340061e+02	2.41798658	IU/ML
1141	TRUE	PT	1.254752e+01	0.68386505	IU/ML
1142	TRUE	PRN	8.270056e+00	0.06479921	IU/ML
1143	TRUE	FHA	4.203707e+01	0.75851064	IU/ML
1144	TRUE	PT	2.148568e+01	1.17101229	IU/ML
1145	TRUE	PRN	1.194931e+01	0.09362761	IU/ML
1146	TRUE	FHA	6.521463e+01	1.17672293	IU/ML

1147	TRUE	PT	3.937680e+01	2.14611450	IU/ML
1148	TRUE	PRN	2.197110e+01	0.17215243	IU/ML
1149	TRUE	FHA	1.061541e+02	1.91542947	IU/ML
1150	TRUE	PT	1.058576e+02	5.76945289	IU/ML
1151	TRUE	PRN	5.662650e+01	0.44369138	IU/ML
1152	TRUE	FHA	1.367028e+02	2.46664405	IU/ML
1153	TRUE	PT	3.529587e+02	19.23695317	IU/ML
1154	TRUE	PRN	1.335241e+03	10.46215114	IU/ML
1155	TRUE	FHA	2.271388e+03	40.98458310	IU/ML
1156	TRUE	PT	1.533711e+04	0.02888606	IU/ML
1157	TRUE	PRN	6.370275e+03	49.91366668	IU/ML
1158	TRUE	FHA	2.000000e+03	36.08769823	IU/ML
1159	TRUE	PT	1.920847e+02	10.46900269	IU/ML
1160	TRUE	PRN	6.163903e+01	0.48296660	IU/ML
1161	TRUE	FHA	1.769763e+02	3.19333427	IU/ML
1162	TRUE	PT	5.360000e-01	0.02921307	IU/ML
1163	TRUE	PRN	1.332141e+02	1.04378636	IU/ML
1164	TRUE	FHA	2.236871e+01	0.40361763	IU/ML
1165	TRUE	PT	5.360000e-01	0.02921307	IU/ML
1166	TRUE	PRN	1.585782e+02	1.24252434	IU/ML
1167	TRUE	FHA	2.808052e+01	0.50668068	IU/ML
1168	TRUE	PT	5.360000e-01	0.02921307	IU/ML
1169	TRUE	PRN	1.110119e+02	0.86982289	IU/ML
1170	TRUE	FHA	1.937673e+01	0.34963073	IU/ML
1171	TRUE	PT	2.118372e+01	1.15455529	IU/ML
1172	TRUE	PRN	1.424639e+03	11.16261696	IU/ML
1173	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
1174	TRUE	PT	3.155439e+01	1.71977739	IU/ML
1175	TRUE	PRN	1.128220e+03	8.84006000	IU/ML
1176	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
1177	TRUE	PT	4.176455e+01	2.27625121	IU/ML
1178	TRUE	PRN	1.590749e+03	12.46415706	IU/ML
1179	TRUE	FHA	6.400000e-02	0.08443681	IU/ML
1180	TRUE	PT	1.048244e+01	0.57131410	IU/ML
1181	TRUE	PRN	1.043822e+03	8.17876713	IU/ML
1182	TRUE	FHA	2.450296e+02	4.42127760	IU/ML
1183	FALSE	PRN	7.001375e+02	0.11058075	MFI
1184	FALSE	DT	8.924455e+03	0.70605606	MFI
1185	FALSE	FHA	2.362402e+03	10.64237279	MFI
1186	FALSE	FIM2/3	7.557511e+02	1.42460152	MFI
1187	FALSE	TT	1.472759e+04	1.10909319	MFI
1188	FALSE	PT	1.127500e+02	1.00000000	MFI
1189	FALSE	OVA	2.083997e+03	0.54042099	MFI

1190	FALSE	PRN	7.098875e+02	0.11212068	MFI
1191	FALSE	DT	8.400705e+03	0.66461971	MFI
1192	FALSE	FHA	2.368902e+03	10.67165461	MFI
1193	FALSE	FIM2/3	7.515011e+02	1.41659021	MFI
1194	FALSE	TT	1.409309e+04	1.06131079	MFI
1195	FALSE	PT	1.112500e+02	0.98669623	MFI
1196	FALSE	OVA	2.048747e+03	0.53127998	MFI
1197	FALSE	PRN	7.106375e+02	0.11223913	MFI
1198	FALSE	DT	9.138955e+03	0.72302618	MFI
1199	FALSE	FHA	2.369402e+03	10.67390705	MFI
1200	FALSE	FIM2/3	7.792511e+02	1.46889935	MFI
1201	FALSE	TT	1.494334e+04	1.12534072	MFI
1202	FALSE	PT	1.255000e+02	1.11308204	MFI
1203	FALSE	OVA	2.176747e+03	0.56447288	MFI
1204	FALSE	PRN	7.968138e+03	1.25849938	MFI
1205	FALSE	DT	2.135920e+04	1.68982827	MFI
1206	FALSE	FHA	3.195902e+03	14.39720232	MFI
1207	FALSE	FIM2/3	8.935251e+03	16.84307466	MFI
1208	FALSE	TT	2.471959e+04	1.86156247	MFI
1209	FALSE	PT	2.242500e+02	1.98891353	MFI
1210	FALSE	OVA	1.881997e+03	0.48803845	MFI
1211	FALSE	PRN	1.588739e+04	2.50927740	MFI
1212	FALSE	DT	2.155970e+04	1.70569078	MFI
1213	FALSE	FHA	4.365152e+03	19.66455016	MFI
1214	FALSE	FIM2/3	1.433575e+04	27.02309351	MFI
1215	FALSE	TT	2.490559e+04	1.87556961	MFI
1216	FALSE	PT	3.040000e+02	2.69623060	MFI
1217	FALSE	OVA	1.904747e+03	0.49393797	MFI
1218	FALSE	PRN	1.258439e+04	1.98759671	MFI
1219	FALSE	DT	1.974745e+04	1.56231507	MFI
1220	FALSE	FHA	3.962902e+03	17.85245636	MFI
1221	FALSE	FIM2/3	1.488975e+04	28.06739134	MFI
1222	FALSE	TT	2.458284e+04	1.85126422	MFI
1223	FALSE	PT	2.740000e+02	2.43015521	MFI
1224	FALSE	OVA	2.116997e+03	0.54897854	MFI
1225	FALSE	PRN	7.003638e+03	1.10616483	MFI
1226	FALSE	DT	1.315520e+04	1.04077081	MFI
1227	FALSE	FHA	3.885402e+03	17.50332704	MFI
1228	FALSE	FIM2/3	1.171275e+04	22.07870143	MFI
1229	FALSE	TT	2.009159e+04	1.51304087	MFI
1230	FALSE	PT	1.717500e+02	1.52328160	MFI
1231	FALSE	OVA	1.991497e+03	0.51643394	MFI
1232	FALSE	PRN	4.325764e+03	0.68321752	MFI

1233	FALSE	DT	7.741689e+03	0.61248187	MFI
1234	FALSE	FHA	1.346575e+03	6.06617997	MFI
1235	FALSE	FIM2/3	3.251875e+03	6.12983105	MFI
1236	FALSE	TT	5.309390e+03	0.39983518	MFI
1237	FALSE	PT	1.249513e+02	1.10821532	MFI
1238	FALSE	OVA	5.539815e+03	1.43658207	MFI
1239	FALSE	PRN	7.003514e+03	1.10614531	MFI
1240	FALSE	DT	1.083719e+04	0.85738159	MFI
1241	FALSE	FHA	2.510575e+03	11.30987711	MFI
1242	FALSE	FIM2/3	5.633125e+03	10.61852096	MFI
1243	FALSE	TT	8.018390e+03	0.60384232	MFI
1244	FALSE	PT	2.752013e+02	2.44080956	MFI
1245	FALSE	OVA	8.565065e+03	2.22108843	MFI
1246	FALSE	PRN	7.880764e+03	1.24469946	MFI
1247	FALSE	DT	1.160994e+04	0.91851752	MFI
1248	FALSE	FHA	2.529575e+03	11.39547010	MFI
1249	FALSE	FIM2/3	6.206625e+03	11.69957657	MFI
1250	FALSE	TT	8.912390e+03	0.67116693	MFI
1251	FALSE	PT	2.632013e+02	2.33437940	MFI
1252	FALSE	OVA	9.291565e+03	2.40948406	MFI
1253	FALSE	PRN	1.572326e+04	2.48335547	MFI
1254	FALSE	DT	1.776394e+04	1.40538973	MFI
1255	FALSE	FHA	5.329825e+03	24.01030080	MFI
1256	FALSE	FIM2/3	5.776125e+03	10.88807798	MFI
1257	FALSE	TT	2.213814e+04	1.66716078	MFI
1258	FALSE	PT	8.522013e+02	7.55832619	MFI
1259	FALSE	OVA	5.465065e+03	1.41719794	MFI
1260	FALSE	PRN	2.203426e+04	3.48012411	MFI
1261	FALSE	DT	2.134844e+04	1.68897657	MFI
1262	FALSE	FHA	7.937075e+03	35.75568686	MFI
1263	FALSE	FIM2/3	7.595125e+03	14.31691870	MFI
1264	FALSE	TT	2.652689e+04	1.99766514	MFI
1265	FALSE	PT	1.548451e+03	13.73349248	MFI
1266	FALSE	OVA	5.766065e+03	1.49525311	MFI
1267	FALSE	PRN	2.254501e+04	3.56079272	MFI
1268	FALSE	DT	1.941619e+04	1.53610709	MFI
1269	FALSE	FHA	8.836325e+03	39.80671320	MFI
1270	FALSE	FIM2/3	6.942375e+03	13.08647572	MFI
1271	FALSE	TT	2.673839e+04	2.01359261	MFI
1272	FALSE	PT	1.194451e+03	10.59380290	MFI
1273	FALSE	OVA	4.234565e+03	1.09810527	MFI
1274	FALSE	PRN	2.209776e+04	3.49015340	MFI
1275	FALSE	DT	1.460544e+04	1.15550577	MFI

1276	FALSE	FHA	6.286825e+03	28.32148479	MFI
1277	FALSE	FIM2/3	6.233625e+03	11.75047195	MFI
1278	FALSE	TT	2.587964e+04	1.94892257	MFI
1279	FALSE	PT	6.799513e+02	6.03061000	MFI
1280	FALSE	OVA	3.278815e+03	0.85026065	MFI
1281	FALSE	PRN	5.022639e+02	0.07932830	MFI
1282	FALSE	DT	1.753694e+04	1.38743068	MFI
1283	FALSE	FHA	6.403254e+02	2.88459826	MFI
1284	FALSE	FIM2/3	1.060125e+03	1.99835131	MFI
1285	FALSE	TT	1.528839e+04	1.15132547	MFI
1286	FALSE	PT	2.787013e+02	2.47185168	MFI
1287	FALSE	OVA	8.467565e+03	2.19580478	MFI
1288	FALSE	PRN	8.830139e+02	0.13946452	MFI
1289	FALSE	DT	2.003494e+04	1.58505934	MFI
1290	FALSE	FHA	8.525754e+02	3.84076211	MFI
1291	FALSE	FIM2/3	1.858875e+03	3.50400635	MFI
1292	FALSE	TT	1.911939e+04	1.43982725	MFI
1293	FALSE	PT	4.414513e+02	3.91531066	MFI
1294	FALSE	OVA	1.162756e+04	3.01525444	MFI
1295	FALSE	PRN	1.007514e+03	0.15912823	MFI
1296	FALSE	DT	2.004319e+04	1.58571204	MFI
1297	FALSE	FHA	8.258254e+02	3.72025618	MFI
1298	FALSE	FIM2/3	2.053625e+03	3.87111286	MFI
1299	FALSE	TT	1.891089e+04	1.42412571	MFI
1300	FALSE	PT	4.984513e+02	4.42085390	MFI
1301	FALSE	OVA	1.150481e+04	2.98342297	MFI
1302	FALSE	PRN	1.057376e+04	1.67003585	MFI
1303	FALSE	DT	2.169544e+04	1.71642939	MFI
1304	FALSE	FHA	4.651825e+03	20.95598236	MFI
1305	FALSE	FIM2/3	2.112263e+04	39.81644745	MFI
1306	FALSE	TT	2.583714e+04	1.94572202	MFI
1307	FALSE	PT	1.526951e+03	13.54280512	MFI
1308	FALSE	OVA	7.512565e+03	1.94815464	MFI
1309	FALSE	PRN	1.716276e+04	2.71071222	MFI
1310	FALSE	DT	2.298644e+04	1.81856654	MFI
1311	FALSE	FHA	7.493825e+03	33.75889239	MFI
1312	FALSE	FIM2/3	2.520413e+04	47.51013265	MFI
1313	FALSE	TT	2.622414e+04	1.97486589	MFI
1314	FALSE	PT	1.916701e+03	16.99956787	MFI
1315	FALSE	OVA	7.869315e+03	2.04066688	MFI
1316	FALSE	PRN	9.715764e+03	1.53452207	MFI
1317	FALSE	DT	2.009544e+04	1.58984578	MFI
1318	FALSE	FHA	5.216575e+03	23.50012150	MFI

1319	FALSE	FIM2/3	2.033038e+04	38.32304499	MFI
1320	FALSE	TT	2.595714e+04	1.95475888	MFI
1321	FALSE	PT	1.150701e+03	10.20577630	MFI
1322	FALSE	OVA	5.934065e+03	1.53881879	MFI
1323	FALSE	PRN	6.190764e+03	0.97777837	MFI
1324	FALSE	DT	1.781894e+04	1.40974104	MFI
1325	FALSE	FHA	3.145825e+03	14.17161131	MFI
1326	FALSE	FIM2/3	1.656163e+04	31.21889796	MFI
1327	FALSE	TT	2.393314e+04	1.80233716	MFI
1328	FALSE	PT	7.489513e+02	6.64258339	MFI
1329	FALSE	OVA	7.372565e+03	1.91184991	MFI
1330	FALSE	PRN	5.482014e+03	0.86583735	MFI
1331	FALSE	DT	1.792544e+04	1.41816676	MFI
1332	FALSE	FHA	1.209325e+03	5.44788320	MFI
1333	FALSE	FIM2/3	8.158875e+03	15.37959542	MFI
1334	FALSE	TT	1.737414e+04	1.30839741	MFI
1335	FALSE	PT	3.532013e+02	3.13260556	MFI
1336	FALSE	OVA	8.395815e+03	2.17719860	MFI
1337	FALSE	PRN	9.677764e+03	1.52852029	MFI
1338	FALSE	DT	1.989044e+04	1.57362726	MFI
1339	FALSE	FHA	1.738825e+03	7.83322481	MFI
1340	FALSE	FIM2/3	1.241288e+04	23.39844556	MFI
1341	FALSE	TT	2.020114e+04	1.52129079	MFI
1342	FALSE	PT	5.067013e+02	4.49402463	MFI
1343	FALSE	OVA	1.085956e+04	2.81609705	MFI
1344	FALSE	PRN	9.493764e+03	1.49945906	MFI
1345	FALSE	DT	2.003569e+04	1.58511868	MFI
1346	FALSE	FHA	1.783575e+03	8.03481884	MFI
1347	FALSE	FIM2/3	1.213113e+04	22.86734283	MFI
1348	FALSE	TT	1.992364e+04	1.50039305	MFI
1349	FALSE	PT	4.767013e+02	4.22794925	MFI
1350	FALSE	OVA	1.030131e+04	2.67133194	MFI
1351	FALSE	PRN	7.313764e+03	1.15514665	MFI
1352	FALSE	DT	1.959044e+04	1.54989283	MFI
1353	FALSE	FHA	1.936575e+03	8.72406769	MFI
1354	FALSE	FIM2/3	9.155125e+03	17.25754075	MFI
1355	FALSE	TT	2.302339e+04	1.73382646	MFI
1356	FALSE	PT	4.432013e+02	3.93083173	MFI
1357	FALSE	OVA	8.569315e+03	2.22219054	MFI
1358	FALSE	PRN	1.233876e+04	1.94880255	MFI
1359	FALSE	DT	2.182769e+04	1.72689232	MFI
1360	FALSE	FHA	5.601075e+03	25.23225342	MFI
1361	FALSE	FIM2/3	1.095338e+04	20.64726743	MFI

1362	FALSE	TT	2.591664e+04	1.95170894	MFI
1363	FALSE	PT	5.584513e+02	4.95300468	MFI
1364	FALSE	OVA	9.058065e+03	2.34893295	MFI
1365	FALSE	PRN	1.118526e+04	1.76661706	MFI
1366	FALSE	DT	2.131294e+04	1.68616800	MFI
1367	FALSE	FHA	4.663325e+03	21.00778864	MFI
1368	FALSE	FIM2/3	9.581375e+03	18.06102803	MFI
1369	FALSE	TT	2.573314e+04	1.93789007	MFI
1370	FALSE	PT	4.584513e+02	4.06608672	MFI
1371	FALSE	OVA	8.434565e+03	2.18724723	MFI
1372	FALSE	PRN	1.181201e+04	1.86560688	MFI
1373	FALSE	DT	1.999019e+04	1.58151896	MFI
1374	FALSE	FHA	3.808575e+03	17.15723011	MFI
1375	FALSE	FIM2/3	9.943625e+03	18.74387440	MFI
1376	FALSE	TT	2.453489e+04	1.84765325	MFI
1377	FALSE	PT	4.084513e+02	3.62262774	MFI
1378	FALSE	OVA	8.637315e+03	2.23982426	MFI
1379	FALSE	PRN	3.538388e+03	0.55885814	MFI
1380	FALSE	DT	1.527045e+04	1.20811830	MFI
1381	FALSE	FHA	1.984402e+03	8.93952269	MFI
1382	FALSE	FIM2/3	3.267511e+02	0.61593045	MFI
1383	FALSE	TT	1.891584e+04	1.42449846	MFI
1384	FALSE	PT	8.375000e+01	0.74279379	MFI
1385	FALSE	OVA	6.706997e+03	1.73925510	MFI
1386	FALSE	PRN	3.524638e+03	0.55668644	MFI
1387	FALSE	DT	1.454020e+04	1.15034475	MFI
1388	FALSE	FHA	2.091402e+03	9.42154640	MFI
1389	FALSE	FIM2/3	3.140011e+02	0.59189652	MFI
1390	FALSE	TT	1.828834e+04	1.37724321	MFI
1391	FALSE	PT	8.375000e+01	0.74279379	MFI
1392	FALSE	OVA	6.577747e+03	1.70573806	MFI
1393	FALSE	PRN	3.459138e+03	0.54634128	MFI
1394	FALSE	DT	1.474445e+04	1.16650394	MFI
1395	FALSE	FHA	2.356152e+03	10.61421720	MFI
1396	FALSE	FIM2/3	3.637511e+02	0.68567598	MFI
1397	FALSE	TT	1.834959e+04	1.38185578	MFI
1398	FALSE	PT	1.020000e+02	0.90465632	MFI
1399	FALSE	OVA	6.806997e+03	1.76518706	MFI
1400	FALSE	PRN	2.131739e+04	3.36689960	MFI
1401	FALSE	DT	2.062345e+04	1.63161959	MFI
1402	FALSE	FHA	3.015652e+03	13.58519509	MFI
1403	FALSE	FIM2/3	1.307175e+04	24.64043564	MFI
1404	FALSE	TT	2.429084e+04	1.82927452	MFI

1405	FALSE	PT	5.045000e+02	4.47450111	MFI
1406	FALSE	OVA	6.576997e+03	1.70554357	MFI
1407	FALSE	PRN	2.256489e+04	3.56393159	MFI
1408	FALSE	DT	2.237645e+04	1.77030776	MFI
1409	FALSE	FHA	4.675152e+03	21.06106744	MFI
1410	FALSE	FIM2/3	1.657775e+04	31.24929520	MFI
1411	FALSE	TT	2.568684e+04	1.93440334	MFI
1412	FALSE	PT	1.837750e+03	16.29933481	MFI
1413	FALSE	OVA	6.368497e+03	1.65147545	MFI
1414	FALSE	PRN	2.047214e+04	3.23339957	MFI
1415	FALSE	DT	2.053120e+04	1.62432126	MFI
1416	FALSE	FHA	3.935152e+03	17.72744554	MFI
1417	FALSE	FIM2/3	1.532100e+04	28.88030369	MFI
1418	FALSE	TT	2.473184e+04	1.86248499	MFI
1419	FALSE	PT	1.243250e+03	11.02660754	MFI
1420	FALSE	OVA	5.963997e+03	1.54658071	MFI
1421	FALSE	PRN	2.027164e+04	3.20173230	MFI
1422	FALSE	DT	1.674420e+04	1.32471367	MFI
1423	FALSE	FHA	3.543902e+03	15.96490559	MFI
1424	FALSE	FIM2/3	1.155425e+04	21.77992668	MFI
1425	FALSE	TT	2.305559e+04	1.73625134	MFI
1426	FALSE	PT	7.807500e+02	6.92461197	MFI
1427	FALSE	OVA	6.155247e+03	1.59617556	MFI
1428	FALSE	PRN	1.084539e+04	1.71293649	MFI
1429	FALSE	DT	1.159095e+04	0.91701556	MFI
1430	FALSE	FHA	2.757652e+03	12.42293232	MFI
1431	FALSE	FIM2/3	8.417251e+03	15.86663733	MFI
1432	FALSE	TT	1.651884e+04	1.24398717	MFI
1433	FALSE	PT	1.697500e+02	1.50554324	MFI
1434	FALSE	OVA	5.226997e+03	1.35546222	MFI
1435	FALSE	PRN	1.048039e+04	1.65528785	MFI
1436	FALSE	DT	1.123870e+04	0.88914738	MFI
1437	FALSE	FHA	1.956152e+03	8.81225942	MFI
1438	FALSE	FIM2/3	8.087001e+03	15.24411142	MFI
1439	FALSE	TT	1.623384e+04	1.22252463	MFI
1440	FALSE	PT	1.477500e+02	1.31042129	MFI
1441	FALSE	OVA	5.209997e+03	1.35105379	MFI
1442	FALSE	PRN	1.080764e+04	1.70697420	MFI
1443	FALSE	DT	1.115620e+04	0.88262042	MFI
1444	FALSE	FHA	2.353402e+03	10.60182874	MFI
1445	FALSE	FIM2/3	7.962751e+03	15.00989841	MFI
1446	FALSE	TT	1.592809e+04	1.19949946	MFI
1447	FALSE	PT	1.497500e+02	1.32815965	MFI

1448	FALSE	OVA	5.423497e+03	1.40641851	MFI
1449	FALSE	PRN	2.220714e+04	3.50742803	MFI
1450	FALSE	DT	2.258670e+04	1.78694164	MFI
1451	FALSE	FHA	3.435902e+03	15.47837699	MFI
1452	FALSE	FIM2/3	1.204050e+04	22.69651481	MFI
1453	FALSE	TT	2.454609e+04	1.84849668	MFI
1454	FALSE	PT	1.849000e+03	16.39911308	MFI
1455	FALSE	OVA	5.962997e+03	1.54632139	MFI
1456	FALSE	PRN	2.261689e+04	3.57214454	MFI
1457	FALSE	DT	2.378495e+04	1.88174089	MFI
1458	FALSE	FHA	4.361902e+03	19.64990925	MFI
1459	FALSE	FIM2/3	1.187625e+04	22.38690124	MFI
1460	FALSE	TT	2.576684e+04	1.94042791	MFI
1461	FALSE	PT	2.059500e+03	18.26607539	MFI
1462	FALSE	OVA	6.143497e+03	1.59312856	MFI
1463	FALSE	PRN	2.053464e+04	3.24327091	MFI
1464	FALSE	DT	2.274120e+04	1.79916487	MFI
1465	FALSE	FHA	3.798652e+03	17.11252745	MFI
1466	FALSE	FIM2/3	1.026175e+04	19.34354591	MFI
1467	FALSE	TT	2.420859e+04	1.82308051	MFI
1468	FALSE	PT	1.194750e+03	10.59645233	MFI
1469	FALSE	OVA	5.362997e+03	1.39072968	MFI
1470	FALSE	PRN	1.302564e+04	2.05728838	MFI
1471	FALSE	DT	1.791870e+04	1.41763396	MFI
1472	FALSE	FHA	3.065152e+03	13.80818737	MFI
1473	FALSE	FIM2/3	8.621001e+03	16.25070897	MFI
1474	FALSE	TT	1.969309e+04	1.48303097	MFI
1475	FALSE	PT	4.175000e+02	3.70288248	MFI
1476	FALSE	OVA	5.129247e+03	1.33011374	MFI
1477	FALSE	PRN	1.778957e+03	0.28097117	MFI
1478	FALSE	DT	2.873207e+03	0.22731304	MFI
1479	FALSE	FHA	6.719616e+02	3.02711594	MFI
1480	FALSE	FIM2/3	1.976974e+02	0.37266247	MFI
1481	FALSE	TT	1.017206e+04	0.76602945	MFI
1482	FALSE	PT	7.120006e+01	0.63148614	MFI
1483	FALSE	OVA	1.520128e+01	0.01895946	MFI
1484	FALSE	PRN	1.941707e+03	0.30667614	MFI
1485	FALSE	DT	3.149207e+03	0.24914871	MFI
1486	FALSE	FHA	1.334616e+02	0.60123027	MFI
1487	FALSE	FIM2/3	5.094744e+01	0.09603665	MFI
1488	FALSE	TT	1.034781e+04	0.77926468	MFI
1489	FALSE	PT	6.645006e+01	0.58935754	MFI
1490	FALSE	OVA	1.870128e+01	0.01895946	MFI

1491	FALSE	PRN	1.665707e+03	0.26308430	MFI
1492	FALSE	DT	2.841457e+03	0.22480114	MFI
1493	FALSE	FHA	9.079616e+02	4.09027103	MFI
1494	FALSE	FIM2/3	2.344474e+02	0.44193674	MFI
1495	FALSE	TT	1.017206e+04	0.76602945	MFI
1496	FALSE	PT	6.445006e+01	0.57161918	MFI
1497	FALSE	OVA	1.120128e+01	0.01895946	MFI
1498	FALSE	PRN	1.072446e+04	1.69383662	MFI
1499	FALSE	DT	1.424196e+04	1.12674892	MFI
1500	FALSE	FHA	1.405462e+03	6.33145602	MFI
1501	FALSE	FIM2/3	2.565447e+03	4.83590470	MFI
1502	FALSE	TT	1.966056e+04	1.48058156	MFI
1503	FALSE	PT	3.694501e+02	3.27671896	MFI
1504	FALSE	OVA	2.820128e+01	0.01895946	MFI
1505	FALSE	PRN	1.971146e+04	3.11325665	MFI
1506	FALSE	DT	2.070321e+04	1.63792914	MFI
1507	FALSE	FHA	2.346462e+03	10.57056170	MFI
1508	FALSE	FIM2/3	7.919447e+03	14.92827039	MFI
1509	FALSE	TT	2.490806e+04	1.87575596	MFI
1510	FALSE	PT	2.128450e+03	18.87760587	MFI
1511	FALSE	OVA	4.045128e+01	0.01895946	MFI
1512	FALSE	PRN	1.901921e+04	3.00392166	MFI
1513	FALSE	DT	1.841421e+04	1.45683546	MFI
1514	FALSE	FHA	1.204962e+03	5.42822468	MFI
1515	FALSE	FIM2/3	4.071447e+03	7.67473599	MFI
1516	FALSE	TT	2.337331e+04	1.76017827	MFI
1517	FALSE	PT	1.606200e+03	14.24567683	MFI
1518	FALSE	OVA	3.445128e+01	0.01895946	MFI
1519	FALSE	PRN	1.514296e+04	2.39170102	MFI
1520	FALSE	DT	1.203146e+04	0.95186575	MFI
1521	FALSE	FHA	8.744616e+02	3.93935706	MFI
1522	FALSE	FIM2/3	1.210197e+03	2.28123929	MFI
1523	FALSE	TT	1.866306e+04	1.40546266	MFI
1524	FALSE	PT	8.214501e+02	7.28558814	MFI
1525	FALSE	OVA	2.520128e+01	0.01895946	MFI
1526	FALSE	PRN	1.800571e+04	2.84384825	MFI
1527	FALSE	DT	6.941457e+03	0.54917172	MFI
1528	FALSE	FHA	2.594299e+02	1.16870436	MFI
1529	FALSE	FIM2/3	4.774447e+03	8.99990093	MFI
1530	FALSE	TT	1.603031e+04	1.20719770	MFI
1531	FALSE	PT	1.214474e+02	1.07713917	MFI
1532	FALSE	OVA	1.208623e+02	0.03134196	MFI
1533	FALSE	PRN	1.738546e+04	2.74588505	MFI

1534	FALSE	DT	6.600207e+03	0.52217381	MFI
1535	FALSE	FHA	2.809299e+02	1.26555959	MFI
1536	FALSE	FIM2/3	3.767697e+03	7.10216294	MFI
1537	FALSE	TT	1.570506e+04	1.18270404	MFI
1538	FALSE	PT	1.201974e+02	1.06605269	MFI
1539	FALSE	OVA	2.433623e+02	0.06310861	MFI
1540	FALSE	PRN	1.776921e+04	2.80649509	MFI
1541	FALSE	DT	6.819207e+03	0.53949994	MFI
1542	FALSE	FHA	1.455930e+03	6.55881057	MFI
1543	FALSE	FIM2/3	5.162947e+03	9.73222892	MFI
1544	FALSE	TT	1.597656e+04	1.20314994	MFI
1545	FALSE	PT	1.241974e+02	1.10152941	MFI
1546	FALSE	OVA	2.016123e+02	0.05228202	MFI
1547	FALSE	PRN	2.101521e+04	3.31917312	MFI
1548	FALSE	DT	1.837746e+04	1.45392807	MFI
1549	FALSE	FHA	2.049430e+03	9.23246543	MFI
1550	FALSE	FIM2/3	1.005345e+04	18.95089056	MFI
1551	FALSE	TT	2.418581e+04	1.82136535	MFI
1552	FALSE	PT	9.396974e+02	8.33434538	MFI
1553	FALSE	OVA	1.678623e+02	0.04352998	MFI
1554	FALSE	PRN	2.020071e+04	3.19052979	MFI
1555	FALSE	DT	2.232421e+04	1.76617423	MFI
1556	FALSE	FHA	2.593680e+03	11.68425423	MFI
1557	FALSE	FIM2/3	1.957995e+04	36.90847774	MFI
1558	FALSE	TT	2.581306e+04	1.94390895	MFI
1559	FALSE	PT	1.565447e+03	13.88423451	MFI
1560	FALSE	OVA	1.223623e+02	0.03173094	MFI
1561	FALSE	PRN	2.211496e+04	3.49286925	MFI
1562	FALSE	DT	2.076996e+04	1.64321012	MFI
1563	FALSE	FHA	1.877930e+03	8.45987603	MFI
1564	FALSE	FIM2/3	1.423495e+04	26.83307717	MFI
1565	FALSE	TT	2.625306e+04	1.97704410	MFI
1566	FALSE	PT	1.086947e+03	9.64033207	MFI
1567	FALSE	OVA	1.033623e+02	0.02680387	MFI
1568	FALSE	PRN	2.141071e+04	3.38163897	MFI
1569	FALSE	DT	1.623221e+04	1.28420714	MFI
1570	FALSE	FHA	2.296799e+02	1.03468375	MFI
1571	FALSE	FIM2/3	7.488447e+03	14.11582930	MFI
1572	FALSE	TT	2.484581e+04	1.87106808	MFI
1573	FALSE	PT	5.359474e+02	4.75341411	MFI
1574	FALSE	OVA	7.311235e+01	0.01895946	MFI
1575	FALSE	PRN	8.402207e+03	1.32705703	MFI
1576	FALSE	DT	5.896207e+03	0.46647694	MFI

1577	FALSE	FHA	4.757116e+02	2.14303040	MFI
1578	FALSE	FIM2/3	2.086974e+02	0.39339763	MFI
1579	FALSE	TT	8.856815e+03	0.66698169	MFI
1580	FALSE	PT	1.244501e+02	1.10376995	MFI
1581	FALSE	OVA	5.349701e+03	1.38728194	MFI
1582	FALSE	PRN	8.624457e+03	1.36215953	MFI
1583	FALSE	DT	6.077707e+03	0.48083627	MFI
1584	FALSE	FHA	6.464616e+02	2.91224113	MFI
1585	FALSE	FIM2/3	1.676974e+02	0.31611205	MFI
1586	FALSE	TT	9.011315e+03	0.67861664	MFI
1587	FALSE	PT	1.259501e+02	1.11707372	MFI
1588	FALSE	OVA	5.596701e+03	1.45133386	MFI
1589	FALSE	PRN	8.448957e+03	1.33444080	MFI
1590	FALSE	DT	6.108957e+03	0.48330861	MFI
1591	FALSE	FHA	3.279616e+02	1.47743224	MFI
1592	FALSE	FIM2/3	1.501974e+02	0.28312430	MFI
1593	FALSE	TT	9.241815e+03	0.69597495	MFI
1594	FALSE	PT	1.219501e+02	1.08159701	MFI
1595	FALSE	OVA	5.501701e+03	1.42669850	MFI
1596	FALSE	PRN	2.188896e+04	3.45717420	MFI
1597	FALSE	DT	2.201296e+04	1.74154969	MFI
1598	FALSE	FHA	1.894962e+03	8.53660185	MFI
1599	FALSE	FIM2/3	6.777947e+03	12.77652675	MFI
1600	FALSE	TT	2.548806e+04	1.91943412	MFI
1601	FALSE	PT	7.194501e+02	6.38093182	MFI
1602	FALSE	OVA	5.574201e+03	1.44549917	MFI
1603	FALSE	PRN	2.209046e+04	3.48899941	MFI
1604	FALSE	DT	2.287596e+04	1.80982572	MFI
1605	FALSE	FHA	2.650212e+03	11.93892339	MFI
1606	FALSE	FIM2/3	1.942645e+04	36.61912807	MFI
1607	FALSE	TT	2.541206e+04	1.91371077	MFI
1608	FALSE	PT	1.150200e+03	10.20133093	MFI
1609	FALSE	OVA	5.299701e+03	1.37431596	MFI
1610	FALSE	PRN	2.234496e+04	3.52919552	MFI
1611	FALSE	DT	2.148271e+04	1.69959909	MFI
1612	FALSE	FHA	2.741712e+03	12.35112123	MFI
1613	FALSE	FIM2/3	1.507195e+04	28.41083401	MFI
1614	FALSE	TT	2.530631e+04	1.90574704	MFI
1615	FALSE	PT	7.827001e+02	6.94190743	MFI
1616	FALSE	OVA	4.677201e+03	1.21288956	MFI
1617	FALSE	PRN	2.229521e+04	3.52133793	MFI
1618	FALSE	DT	1.899696e+04	1.50293959	MFI
1619	FALSE	FHA	2.222212e+03	10.01082856	MFI

1620	FALSE	FIM2/3	1.055270e+04	19.89198387	MFI
1621	FALSE	TT	2.454881e+04	1.84870185	MFI
1622	FALSE	PT	3.952001e+02	3.50510033	MFI
1623	FALSE	OVA	4.102701e+03	1.06391050	MFI
1624	FALSE	PRN	1.359426e+04	2.14709807	MFI
1625	FALSE	DT	1.986644e+04	1.57172850	MFI
1626	FALSE	FHA	2.044075e+03	9.20834385	MFI
1627	FALSE	FIM2/3	1.067375e+03	2.01201766	MFI
1628	FALSE	TT	1.607764e+04	1.21076166	MFI
1629	FALSE	PT	4.345128e+01	0.38537718	MFI
1630	FALSE	OVA	1.086506e+04	2.81752331	MFI
1631	FALSE	PRN	1.736076e+04	2.74198464	MFI
1632	FALSE	DT	2.176644e+04	1.72204654	MFI
1633	FALSE	FHA	3.490325e+03	15.72354745	MFI
1634	FALSE	FIM2/3	1.799625e+03	3.39231926	MFI
1635	FALSE	TT	1.860514e+04	1.40110054	MFI
1636	FALSE	PT	6.470128e+01	0.57384725	MFI
1637	FALSE	OVA	1.306656e+04	3.38841522	MFI
1638	FALSE	PRN	1.671376e+04	2.63979650	MFI
1639	FALSE	DT	2.149244e+04	1.70036910	MFI
1640	FALSE	FHA	2.779075e+03	12.51944127	MFI
1641	FALSE	FIM2/3	1.642125e+03	3.09542954	MFI
1642	FALSE	TT	1.815864e+04	1.36747588	MFI
1643	FALSE	PT	5.670128e+01	0.50289381	MFI
1644	FALSE	OVA	1.240006e+04	3.21557877	MFI
1645	FALSE	PRN	1.360326e+04	2.14851955	MFI
1646	FALSE	DT	2.356244e+04	1.86413664	MFI
1647	FALSE	FHA	2.404075e+03	10.83010585	MFI
1648	FALSE	FIM2/3	2.139663e+04	40.33294132	MFI
1649	FALSE	TT	1.895739e+04	1.42762749	MFI
1650	FALSE	PT	5.070128e+01	0.44967874	MFI
1651	FALSE	OVA	1.012756e+04	2.62627517	MFI
1652	FALSE	PRN	2.146976e+04	3.39096615	MFI
1653	FALSE	DT	2.465994e+04	1.95096509	MFI
1654	FALSE	FHA	5.441825e+03	24.51484897	MFI
1655	FALSE	FIM2/3	2.667913e+04	50.29052850	MFI
1656	FALSE	TT	2.343989e+04	1.76519189	MFI
1657	FALSE	PT	2.012013e+02	1.78449027	MFI
1658	FALSE	OVA	1.075681e+04	2.78945197	MFI
1659	FALSE	PRN	1.863251e+04	2.94284670	MFI
1660	FALSE	DT	2.417794e+04	1.91283178	MFI
1661	FALSE	FHA	4.619825e+03	20.81182573	MFI
1662	FALSE	FIM2/3	2.381963e+04	44.90033057	MFI

1663	FALSE	TT	2.251839e+04	1.69579633	MFI
1664	FALSE	PT	1.214513e+02	1.07717319	MFI
1665	FALSE	OVA	9.127565e+03	2.36695566	MFI
1666	FALSE	PRN	1.702376e+04	2.68875836	MFI
1667	FALSE	DT	2.255444e+04	1.78438897	MFI
1668	FALSE	FHA	4.396825e+03	19.80723427	MFI
1669	FALSE	FIM2/3	1.624363e+04	30.61946347	MFI
1670	FALSE	TT	2.137689e+04	1.60983320	MFI
1671	FALSE	PT	1.567013e+02	1.38981177	MFI
1672	FALSE	OVA	9.814315e+03	2.54504333	MFI
1673	FALSE	PRN	5.262264e+03	0.83112971	MFI
1674	FALSE	DT	2.275644e+04	1.80037015	MFI
1675	FALSE	FHA	5.363825e+03	24.16346721	MFI
1676	FALSE	FIM2/3	4.192125e+03	7.90221559	MFI
1677	FALSE	TT	1.967814e+04	1.48190513	MFI
1678	FALSE	PT	7.327013e+02	6.49845922	MFI
1679	FALSE	OVA	5.697565e+03	1.47748972	MFI
1680	FALSE	PRN	8.159264e+03	1.28868616	MFI
1681	FALSE	DT	2.361144e+04	1.86801327	MFI
1682	FALSE	FHA	8.331825e+03	37.53399394	MFI
1683	FALSE	FIM2/3	6.177125e+03	11.64396865	MFI
1684	FALSE	TT	2.173564e+04	1.63684964	MFI
1685	FALSE	PT	9.594513e+02	8.50954570	MFI
1686	FALSE	OVA	8.161065e+03	2.11632335	MFI
1687	FALSE	PRN	6.846264e+03	1.08130901	MFI
1688	FALSE	DT	2.284894e+04	1.80768827	MFI
1689	FALSE	FHA	7.206075e+03	32.46260901	MFI
1690	FALSE	FIM2/3	5.136625e+03	9.68261144	MFI
1691	FALSE	TT	2.066764e+04	1.55642158	MFI
1692	FALSE	PT	7.402013e+02	6.56497807	MFI
1693	FALSE	OVA	6.788565e+03	1.76040731	MFI
1694	FALSE	PRN	2.413776e+04	3.81235400	MFI
1695	FALSE	DT	2.382244e+04	1.88470648	MFI
1696	FALSE	FHA	8.803325e+03	39.65805168	MFI
1697	FALSE	FIM2/3	2.357713e+04	44.44321465	MFI
1698	FALSE	TT	2.633689e+04	1.98335678	MFI
1699	FALSE	PT	7.232013e+02	6.41420202	MFI
1700	FALSE	OVA	5.262065e+03	1.36455607	MFI
1701	FALSE	PRN	2.394576e+04	3.78202924	MFI
1702	FALSE	DT	2.417094e+04	1.91227797	MFI
1703	FALSE	FHA	1.144233e+04	51.54646814	MFI
1704	FALSE	FIM2/3	2.594963e+04	48.91541069	MFI
1705	FALSE	TT	2.679164e+04	2.01760271	MFI

1706	FALSE	PT	9.169513e+02	8.13260556	MFI
1707	FALSE	OVA	6.158815e+03	1.59710085	MFI
1708	FALSE	PRN	2.447801e+04	3.86609359	MFI
1709	FALSE	DT	2.326244e+04	1.84040222	MFI
1710	FALSE	FHA	9.950825e+03	44.82741806	MFI
1711	FALSE	FIM2/3	2.243088e+04	42.28251719	MFI
1712	FALSE	TT	2.558439e+04	1.92668813	MFI
1713	FALSE	PT	6.372013e+02	5.65145257	MFI
1714	FALSE	OVA	5.389565e+03	1.39761931	MFI
1715	FALSE	PRN	2.383876e+04	3.76512950	MFI
1716	FALSE	DT	2.154994e+04	1.70491820	MFI
1717	FALSE	FHA	8.039325e+03	36.21631232	MFI
1718	FALSE	FIM2/3	1.876938e+04	35.38053793	MFI
1719	FALSE	TT	2.264114e+04	1.70504029	MFI
1720	FALSE	PT	6.312013e+02	5.59823749	MFI
1721	FALSE	OVA	6.076065e+03	1.57564216	MFI
1722	FALSE	PRN	2.125520e+04	3.35707817	MFI
1723	FALSE	DT	1.448212e+04	1.14574916	MFI
1724	FALSE	FHA	4.891337e+01	0.22034957	MFI
1725	FALSE	FIM2/3	7.900000e+01	0.14891612	MFI
1726	FALSE	TT	1.327895e+04	1.00000000	MFI
1727	FALSE	PT	3.667500e+02	3.25277162	MFI
1728	FALSE	OVA	1.374225e+04	3.56363359	MFI
1729	FALSE	PRN	2.165695e+04	3.42053116	MFI
1730	FALSE	DT	1.251687e+04	0.99026888	MFI
1731	FALSE	FHA	5.566337e+01	0.25075761	MFI
1732	FALSE	FIM2/3	2.130000e+02	0.40150801	MFI
1733	FALSE	TT	1.132745e+04	0.85303805	MFI
1734	FALSE	PT	2.855000e+02	2.53215078	MFI
1735	FALSE	OVA	1.292500e+04	3.35170472	MFI
1736	FALSE	PRN	2.135945e+04	3.37354357	MFI
1737	FALSE	DT	1.362687e+04	1.07808626	MFI
1738	FALSE	FHA	1.751634e+02	0.78909249	MFI
1739	FALSE	FIM2/3	3.440000e+02	0.64844486	MFI
1740	FALSE	TT	1.215370e+04	0.91526060	MFI
1741	FALSE	PT	3.595000e+02	3.18847007	MFI
1742	FALSE	OVA	1.393525e+04	3.61368226	MFI
1743	FALSE	PRN	2.226095e+04	3.51592781	MFI
1744	FALSE	DT	1.969062e+04	1.55781837	MFI
1745	FALSE	FHA	8.016337e+01	0.36112752	MFI
1746	FALSE	FIM2/3	6.592500e+02	1.24269557	MFI
1747	FALSE	TT	2.444320e+04	1.84074811	MFI
1748	FALSE	PT	9.637500e+02	8.54767184	MFI

1749	FALSE	OVA	1.376250e+04	3.56888481	MFI
1750	FALSE	PRN	2.209720e+04	3.49006489	MFI
1751	FALSE	DT	2.184037e+04	1.72789531	MFI
1752	FALSE	FHA	2.431634e+02	1.09542532	MFI
1753	FALSE	FIM2/3	3.322250e+03	6.26248822	MFI
1754	FALSE	TT	2.474095e+04	1.86317082	MFI
1755	FALSE	PT	1.736250e+03	15.39911308	MFI
1756	FALSE	OVA	1.457325e+04	3.77912811	MFI
1757	FALSE	PRN	2.631195e+04	4.15574872	MFI
1758	FALSE	DT	2.068162e+04	1.63622109	MFI
1759	FALSE	FHA	5.869134e+02	2.64398278	MFI
1760	FALSE	FIM2/3	1.725175e+04	32.51979265	MFI
1761	FALSE	TT	2.670745e+04	2.01126238	MFI
1762	FALSE	PT	1.120750e+03	9.94013304	MFI
1763	FALSE	OVA	1.366875e+04	3.54457361	MFI
1764	FALSE	PRN	2.273020e+04	3.59004185	MFI
1765	FALSE	DT	1.579862e+04	1.24990374	MFI
1766	FALSE	FHA	9.466337e+01	0.42644849	MFI
1767	FALSE	FIM2/3	9.717500e+02	1.83176249	MFI
1768	FALSE	TT	2.058345e+04	1.55008125	MFI
1769	FALSE	PT	6.100000e+02	5.41019956	MFI
1770	FALSE	OVA	1.390575e+04	3.60603233	MFI
1771	FALSE	PRN	1.074371e+04	1.69687727	MFI
1772	FALSE	DT	1.471671e+04	1.16430872	MFI
1773	FALSE	FHA	1.656799e+02	0.74637050	MFI
1774	FALSE	FIM2/3	6.401974e+02	1.20678123	MFI
1775	FALSE	TT	1.458006e+04	1.09798347	MFI
1776	FALSE	PT	3.031974e+02	2.68911256	MFI
1777	FALSE	OVA	3.101612e+03	0.80430861	MFI
1778	FALSE	PRN	1.094771e+04	1.72909733	MFI
1779	FALSE	DT	1.482571e+04	1.17293223	MFI
1780	FALSE	FHA	1.238430e+03	5.57899603	MFI
1781	FALSE	FIM2/3	6.561447e+03	12.36842119	MFI
1782	FALSE	TT	1.473906e+04	1.10995731	MFI
1783	FALSE	PT	3.251974e+02	2.88423451	MFI
1784	FALSE	OVA	3.287112e+03	0.85241238	MFI
1785	FALSE	PRN	1.108371e+04	1.75057737	MFI
1786	FALSE	DT	1.543371e+04	1.22103400	MFI
1787	FALSE	FHA	1.511430e+03	6.80883221	MFI
1788	FALSE	FIM2/3	3.940697e+03	7.42827039	MFI
1789	FALSE	TT	1.540281e+04	1.15994244	MFI
1790	FALSE	PT	3.449474e+02	3.05940081	MFI
1791	FALSE	OVA	3.174362e+03	0.82317410	MFI

1792	FALSE	PRN	1.798596e+04	2.84072891	MFI
1793	FALSE	DT	2.144221e+04	1.69639502	MFI
1794	FALSE	FHA	1.171180e+03	5.27604187	MFI
1795	FALSE	FIM2/3	6.758447e+03	12.73976897	MFI
1796	FALSE	TT	2.330206e+04	1.75481264	MFI
1797	FALSE	PT	9.819474e+02	8.70906821	MFI
1798	FALSE	OVA	3.614112e+03	0.93720986	MFI
1799	FALSE	PRN	2.051321e+04	3.23988650	MFI
1800	FALSE	DT	2.218371e+04	1.75505861	MFI
1801	FALSE	FHA	1.560180e+03	7.02844582	MFI
1802	FALSE	FIM2/3	5.418697e+03	10.21432128	MFI
1803	FALSE	TT	2.463606e+04	1.85527240	MFI
1804	FALSE	PT	1.349697e+03	11.97070901	MFI
1805	FALSE	OVA	3.650862e+03	0.94673985	MFI
1806	FALSE	PRN	1.702871e+04	2.68953943	MFI
1807	FALSE	DT	2.092971e+04	1.65584870	MFI
1808	FALSE	FHA	2.452930e+03	11.05019034	MFI
1809	FALSE	FIM2/3	1.162395e+04	21.91130526	MFI
1810	FALSE	TT	2.293906e+04	1.72747613	MFI
1811	FALSE	PT	8.579474e+02	7.60928994	MFI
1812	FALSE	OVA	3.345362e+03	0.86751774	MFI
1813	FALSE	PRN	1.491821e+04	2.35620395	MFI
1814	FALSE	DT	1.947971e+04	1.54113231	MFI
1815	FALSE	FHA	1.264430e+03	5.69612328	MFI
1816	FALSE	FIM2/3	6.991947e+03	13.17991978	MFI
1817	FALSE	TT	2.082356e+04	1.56816381	MFI
1818	FALSE	PT	6.409474e+02	5.68467797	MFI
1819	FALSE	OVA	4.056362e+03	1.05189391	MFI
1820	FALSE	PRN	1.298196e+04	2.05038977	MFI
1821	FALSE	DT	1.094321e+04	0.86576919	MFI
1822	FALSE	FHA	1.201799e+02	0.54139780	MFI
1823	FALSE	FIM2/3	4.824474e+02	0.90942025	MFI
1824	FALSE	TT	2.050456e+04	1.54414082	MFI
1825	FALSE	PT	4.894744e+01	0.43412365	MFI
1826	FALSE	OVA	4.447862e+03	1.15341750	MFI
1827	FALSE	PRN	1.287846e+04	2.03404283	MFI
1828	FALSE	DT	1.066071e+04	0.84341927	MFI
1829	FALSE	FHA	2.756799e+02	1.24190889	MFI
1830	FALSE	FIM2/3	1.088697e+03	2.05221007	MFI
1831	FALSE	TT	2.005056e+04	1.50995136	MFI
1832	FALSE	PT	5.394744e+01	0.47846954	MFI
1833	FALSE	OVA	4.368362e+03	1.13280160	MFI
1834	FALSE	PRN	1.325521e+04	2.09354728	MFI

1835	FALSE	DT	1.157871e+04	0.91604662	MFI
1836	FALSE	FHA	4.821799e+02	2.17216960	MFI
1837	FALSE	FIM2/3	1.005947e+03	1.89622515	MFI
1838	FALSE	TT	2.084331e+04	1.56965112	MFI
1839	FALSE	PT	5.894744e+01	0.52281544	MFI
1840	FALSE	OVA	4.910362e+03	1.27335278	MFI
1841	FALSE	PRN	2.143571e+04	3.38558751	MFI
1842	FALSE	DT	2.242271e+04	1.77396703	MFI
1843	FALSE	FHA	1.691430e+03	7.61971321	MFI
1844	FALSE	FIM2/3	1.017895e+04	19.18745983	MFI
1845	FALSE	TT	2.536756e+04	1.91035960	MFI
1846	FALSE	PT	2.509474e+02	2.22569793	MFI
1847	FALSE	OVA	5.030612e+03	1.30453595	MFI
1848	FALSE	PRN	2.272521e+04	3.58925304	MFI
1849	FALSE	DT	2.276771e+04	1.80126163	MFI
1850	FALSE	FHA	1.772930e+03	7.98686211	MFI
1851	FALSE	FIM2/3	1.109045e+04	20.90565022	MFI
1852	FALSE	TT	2.607831e+04	1.96388418	MFI
1853	FALSE	PT	3.856974e+02	3.42081988	MFI
1854	FALSE	OVA	5.269362e+03	1.36644848	MFI
1855	FALSE	PRN	2.272121e+04	3.58862127	MFI
1856	FALSE	DT	2.280796e+04	1.80444599	MFI
1857	FALSE	FHA	1.721930e+03	7.75711249	MFI
1858	FALSE	FIM2/3	1.532695e+04	28.89151261	MFI
1859	FALSE	TT	2.538381e+04	1.91158334	MFI
1860	FALSE	PT	2.279474e+02	2.02170679	MFI
1861	FALSE	OVA	4.339362e+03	1.12528133	MFI
1862	FALSE	PRN	2.020671e+04	3.19147743	MFI
1863	FALSE	DT	2.211146e+04	1.74934257	MFI
1864	FALSE	FHA	1.376180e+03	6.19954524	MFI
1865	FALSE	FIM2/3	1.116795e+04	21.05173881	MFI
1866	FALSE	TT	2.436406e+04	1.83478885	MFI
1867	FALSE	PT	1.414474e+02	1.25452276	MFI
1868	FALSE	OVA	4.186362e+03	1.08560545	MFI
1869	FALSE	PRN	1.587114e+04	2.50671085	MFI
1870	FALSE	DT	1.345370e+04	1.06438657	MFI
1871	FALSE	FHA	1.622152e+03	7.30762467	MFI
1872	FALSE	FIM2/3	8.632511e+02	1.62724054	MFI
1873	FALSE	TT	1.108809e+04	0.83501274	MFI
1874	FALSE	PT	1.475000e+01	0.13082040	MFI
1875	FALSE	OVA	7.246497e+03	1.87915798	MFI
1876	FALSE	PRN	1.457714e+04	2.30233458	MFI
1877	FALSE	DT	1.276070e+04	1.00956004	MFI

1878	FALSE	FHA	1.197652e+03	5.39529698	MFI
1879	FALSE	FIM2/3	7.952511e+02	1.49905958	MFI
1880	FALSE	TT	1.055234e+04	0.79466692	MFI
1881	FALSE	PT	9.750000e+00	0.08647450	MFI
1882	FALSE	OVA	6.578747e+03	1.70599738	MFI
1883	FALSE	PRN	1.502314e+04	2.37277648	MFI
1884	FALSE	DT	1.336145e+04	1.05708823	MFI
1885	FALSE	FHA	9.091522e+02	4.09563493	MFI
1886	FALSE	FIM2/3	8.372511e+02	1.57823017	MFI
1887	FALSE	TT	1.108034e+04	0.83442911	MFI
1888	FALSE	PT	1.175000e+01	0.10421286	MFI
1889	FALSE	OVA	6.742497e+03	1.74846095	MFI
1890	FALSE	PRN	2.468314e+04	3.89849111	MFI
1891	FALSE	DT	2.492670e+04	1.97207017	MFI
1892	FALSE	FHA	2.219652e+03	9.99929911	MFI
1893	FALSE	FIM2/3	2.597125e+04	48.95617551	MFI
1894	FALSE	TT	2.479509e+04	1.86724816	MFI
1895	FALSE	PT	5.225000e+01	0.46341463	MFI
1896	FALSE	OVA	7.311497e+03	1.89601375	MFI
1897	FALSE	PRN	2.476589e+04	3.91156077	MFI
1898	FALSE	DT	2.585045e+04	2.04515242	MFI
1899	FALSE	FHA	6.417402e+03	28.90971980	MFI
1900	FALSE	FIM2/3	2.757025e+04	51.97031311	MFI
1901	FALSE	TT	2.730884e+04	2.05655157	MFI
1902	FALSE	PT	1.362500e+02	1.20842572	MFI
1903	FALSE	OVA	6.665497e+03	1.72849334	MFI
1904	FALSE	PRN	2.474814e+04	3.90875731	MFI
1905	FALSE	DT	2.580595e+04	2.04163182	MFI
1906	FALSE	FHA	5.285152e+03	23.80905305	MFI
1907	FALSE	FIM2/3	2.395150e+04	45.14891820	MFI
1908	FALSE	TT	2.648159e+04	1.99425371	MFI
1909	FALSE	PT	1.205000e+02	1.06873614	MFI
1910	FALSE	OVA	5.922997e+03	1.53594861	MFI
1911	FALSE	PRN	2.431364e+04	3.84013174	MFI
1912	FALSE	DT	2.511495e+04	1.98696352	MFI
1913	FALSE	FHA	3.393402e+03	15.28691897	MFI
1914	FALSE	FIM2/3	1.360975e+04	25.65457324	MFI
1915	FALSE	TT	2.463984e+04	1.85555673	MFI
1916	FALSE	PT	6.575000e+01	0.58314856	MFI
1917	FALSE	OVA	5.063497e+03	1.31306348	MFI
1918	FALSE	PRN	2.356375e+02	0.07932830	MFI
1919	FALSE	DT	3.537047e+02	0.19369270	MFI
1920	FALSE	FHA	4.936402e+03	22.23797111	MFI

1921	FALSE	FIM2/3	1.615251e+03	3.04477117	MFI
1922	FALSE	TT	7.102840e+03	0.53489482	MFI
1923	FALSE	PT	1.195500e+03	10.60310421	MFI
1924	FALSE	OVA	1.358497e+03	0.35228468	MFI
1925	FALSE	PRN	2.423875e+02	0.07932830	MFI
1926	FALSE	DT	3.484547e+02	0.19369270	MFI
1927	FALSE	FHA	3.955902e+03	17.82092210	MFI
1928	FALSE	FIM2/3	1.428501e+03	2.69274478	MFI
1929	FALSE	TT	6.611840e+03	0.49791900	MFI
1930	FALSE	PT	1.105750e+03	9.80709534	MFI
1931	FALSE	OVA	1.295247e+03	0.33588272	MFI
1932	FALSE	PRN	2.751375e+02	0.07932830	MFI
1933	FALSE	DT	4.097047e+02	0.19369270	MFI
1934	FALSE	FHA	3.097402e+03	13.95347021	MFI
1935	FALSE	FIM2/3	1.554251e+03	2.92978531	MFI
1936	FALSE	TT	6.933090e+03	0.52211143	MFI
1937	FALSE	PT	1.124250e+03	9.97117517	MFI
1938	FALSE	OVA	1.314497e+03	0.34087463	MFI
1939	FALSE	PRN	1.262714e+04	1.99434871	MFI
1940	FALSE	DT	1.252020e+04	0.99053294	MFI
1941	FALSE	FHA	4.113152e+03	18.52931676	MFI
1942	FALSE	FIM2/3	1.947025e+04	36.70169860	MFI
1943	FALSE	TT	2.697509e+04	2.03141780	MFI
1944	FALSE	PT	1.129750e+03	10.01995565	MFI
1945	FALSE	OVA	1.277997e+03	0.33140946	MFI
1946	FALSE	PRN	1.724864e+04	2.72427523	MFI
1947	FALSE	DT	1.145920e+04	0.90659219	MFI
1948	FALSE	FHA	4.675402e+03	21.06219366	MFI
1949	FALSE	FIM2/3	1.994625e+04	37.59896533	MFI
1950	FALSE	TT	2.662759e+04	2.00524856	MFI
1951	FALSE	PT	1.247000e+03	11.05986696	MFI
1952	FALSE	OVA	1.364997e+03	0.35397026	MFI
1953	FALSE	PRN	1.358439e+04	2.14553818	MFI
1954	FALSE	DT	7.694205e+03	0.60872513	MFI
1955	FALSE	FHA	6.016652e+03	27.10438335	MFI
1956	FALSE	FIM2/3	1.715625e+04	32.33977588	MFI
1957	FALSE	TT	2.651559e+04	1.99681416	MFI
1958	FALSE	PT	1.028750e+03	9.12416851	MFI
1959	FALSE	OVA	1.397247e+03	0.36233331	MFI
1960	FALSE	PRN	8.096138e+03	1.27871589	MFI
1961	FALSE	DT	1.851205e+03	0.19369270	MFI
1962	FALSE	FHA	5.049902e+03	22.74927663	MFI
1963	FALSE	FIM2/3	1.010050e+04	19.03958738	MFI

1964	FALSE	TT	2.434509e+04	1.83335994	MFI
1965	FALSE	PT	5.827500e+02	5.16851441	MFI
1966	FALSE	OVA	1.630997e+03	0.42294925	MFI
1967	FALSE	PRN	6.940071e+03	1.09612506	MFI
1968	FALSE	DT	8.725250e+03	0.69029603	MFI
1969	FALSE	FHA	1.057109e+01	0.04762165	MFI
1970	FALSE	FIM2/3	2.518760e+02	0.47478975	MFI
1971	FALSE	TT	6.660897e+03	0.50161332	MFI
1972	FALSE	PT	6.925000e+01	0.61419069	MFI
1973	FALSE	OVA	1.312343e+03	0.34031610	MFI
1974	FALSE	PRN	7.061071e+03	1.11523597	MFI
1975	FALSE	DT	9.029000e+03	0.71432713	MFI
1976	FALSE	FHA	2.982109e+01	0.13434087	MFI
1977	FALSE	FIM2/3	3.733876e+03	7.03840898	MFI
1978	FALSE	TT	7.349397e+03	0.55346231	MFI
1979	FALSE	PT	9.125000e+01	0.80931264	MFI
1980	FALSE	OVA	1.637093e+03	0.42453011	MFI
1981	FALSE	PRN	6.386821e+03	1.00874394	MFI
1982	FALSE	DT	8.376500e+03	0.66270475	MFI
1983	FALSE	FHA	1.307109e+01	0.05888389	MFI
1984	FALSE	FIM2/3	2.278760e+02	0.42954941	MFI
1985	FALSE	TT	6.639647e+03	0.50001304	MFI
1986	FALSE	PT	6.225000e+01	0.55210643	MFI
1987	FALSE	OVA	1.124343e+03	0.29156403	MFI
1988	FALSE	PRN	8.503321e+03	1.34302707	MFI
1989	FALSE	DT	1.165575e+04	0.92214182	MFI
1990	FALSE	FHA	1.657109e+01	0.07465102	MFI
1991	FALSE	FIM2/3	3.078760e+02	0.58035054	MFI
1992	FALSE	TT	8.255147e+03	0.62167178	MFI
1993	FALSE	PT	2.240000e+02	1.98669623	MFI
1994	FALSE	OVA	6.673428e+02	0.17305501	MFI
1995	FALSE	PRN	1.157107e+04	1.82755202	MFI
1996	FALSE	DT	1.104075e+04	0.87348624	MFI
1997	FALSE	FHA	1.307109e+01	0.05888389	MFI
1998	FALSE	FIM2/3	2.837596e+01	0.05348909	MFI
1999	FALSE	TT	1.201715e+04	0.90497737	MFI
2000	FALSE	PT	5.065000e+02	4.49223947	MFI
2001	FALSE	OVA	5.083428e+02	0.13182321	MFI
2002	FALSE	PRN	2.373321e+03	0.37484583	MFI
2003	FALSE	DT	7.329250e+03	0.57985183	MFI
2004	FALSE	FHA	1.457109e+01	0.06564123	MFI
2005	FALSE	FIM2/3	1.387596e+01	0.02615638	MFI
2006	FALSE	TT	2.557147e+03	0.19257151	MFI

2007	FALSE	PT	3.072500e+02	2.72505543	MFI
2008	FALSE	OVA	1.288428e+02	0.03341145	MFI
2009	FALSE	PRN	7.548071e+03	1.19215347	MFI
2010	FALSE	DT	9.237250e+03	0.73080278	MFI
2011	FALSE	FHA	8.571092e+00	0.03861186	MFI
2012	FALSE	FIM2/3	3.787596e+01	0.07139672	MFI
2013	FALSE	TT	6.949647e+03	0.52335827	MFI
2014	FALSE	PT	2.487500e+02	2.20620843	MFI
2015	FALSE	OVA	6.705928e+02	0.17389780	MFI
2016	FALSE	PRN	1.217571e+03	0.19230497	MFI
2017	FALSE	DT	1.174075e+04	0.92886657	MFI
2018	FALSE	FHA	1.607109e+01	0.07239857	MFI
2019	FALSE	FIM2/3	4.037596e+01	0.07610926	MFI
2020	FALSE	TT	1.638965e+04	1.23425798	MFI
2021	FALSE	PT	1.120000e+02	0.99334812	MFI
2022	FALSE	OVA	5.218428e+02	0.13532402	MFI
2023	FALSE	PRN	1.431571e+03	0.22610445	MFI
2024	FALSE	DT	1.227700e+04	0.97129186	MFI
2025	FALSE	FHA	1.832109e+01	0.08253458	MFI
2026	FALSE	FIM2/3	4.537596e+01	0.08553433	MFI
2027	FALSE	TT	1.690265e+04	1.27289056	MFI
2028	FALSE	PT	1.220000e+02	1.08203991	MFI
2029	FALSE	OVA	5.713428e+02	0.14816034	MFI
2030	FALSE	PRN	1.430821e+03	0.22598599	MFI
2031	FALSE	DT	1.230875e+04	0.97380375	MFI
2032	FALSE	FHA	1.507109e+01	0.06789368	MFI
2033	FALSE	FIM2/3	3.537596e+01	0.06668419	MFI
2034	FALSE	TT	1.631940e+04	1.22896766	MFI
2035	FALSE	PT	1.062500e+02	0.94235033	MFI
2036	FALSE	OVA	5.035928e+02	0.13059144	MFI
2037	FALSE	PRN	1.060282e+04	1.67462519	MFI
2038	FALSE	DT	2.241100e+04	1.77304080	MFI
2039	FALSE	FHA	3.457109e+01	0.15573912	MFI
2040	FALSE	FIM2/3	4.286260e+02	0.80796600	MFI
2041	FALSE	TT	2.529715e+04	1.90505663	MFI
2042	FALSE	PT	4.950000e+02	4.39024390	MFI
2043	FALSE	OVA	5.698428e+02	0.14777136	MFI
2044	FALSE	PRN	2.076032e+04	3.27891571	MFI
2045	FALSE	DT	2.283075e+04	1.80624922	MFI
2046	FALSE	FHA	3.507109e+01	0.15799157	MFI
2047	FALSE	FIM2/3	2.277876e+03	4.29382839	MFI
2048	FALSE	TT	2.444265e+04	1.84070665	MFI
2049	FALSE	PT	8.315000e+02	7.37472284	MFI

2050	FALSE	OVA	5.163428e+02	0.13389777	MFI
2051	FALSE	PRN	2.060607e+04	3.25455324	MFI
2052	FALSE	DT	2.254050e+04	1.78328616	MFI
2053	FALSE	FHA	3.582109e+01	0.16137024	MFI
2054	FALSE	FIM2/3	9.578760e+02	1.80560973	MFI
2055	FALSE	TT	2.551390e+04	1.92137946	MFI
2056	FALSE	PT	5.505000e+02	4.88248337	MFI
2057	FALSE	OVA	5.405928e+02	0.14018626	MFI
2058	FALSE	PRN	2.051532e+04	3.24022005	MFI
2059	FALSE	DT	2.001500e+04	1.58348184	MFI
2060	FALSE	FHA	4.107109e+01	0.18502093	MFI
2061	FALSE	FIM2/3	2.993760e+02	0.56432792	MFI
2062	FALSE	TT	2.482940e+04	1.86983170	MFI
2063	FALSE	PT	3.710000e+02	3.29046563	MFI
2064	FALSE	OVA	6.868428e+02	0.17811174	MFI
2065	FALSE	PRN	6.802035e+02	0.10743235	MFI
2066	FALSE	DT	3.169867e+03	0.25078326	MFI
2067	FALSE	FHA	3.416337e+01	0.15390237	MFI
2068	FALSE	FIM2/3	1.367500e+02	0.25777568	MFI
2069	FALSE	TT	1.731220e+04	1.30373266	MFI
2070	FALSE	PT	4.512500e+02	4.00221729	MFI
2071	FALSE	OVA	7.045000e+02	0.18269060	MFI
2072	FALSE	PRN	7.267035e+02	0.11477663	MFI
2073	FALSE	DT	2.804617e+03	0.22188659	MFI
2074	FALSE	FHA	2.066337e+01	0.09308630	MFI
2075	FALSE	FIM2/3	1.097500e+02	0.20688030	MFI
2076	FALSE	TT	1.575895e+04	1.18676179	MFI
2077	FALSE	PT	3.907500e+02	3.46563193	MFI
2078	FALSE	OVA	6.012500e+02	0.15591586	MFI
2079	FALSE	PRN	6.517035e+02	0.10293102	MFI
2080	FALSE	DT	3.099117e+03	0.24518589	MFI
2081	FALSE	FHA	3.516337e+01	0.15840727	MFI
2082	FALSE	FIM2/3	1.320000e+02	0.24882187	MFI
2083	FALSE	TT	1.705295e+04	1.28420927	MFI
2084	FALSE	PT	4.462500e+02	3.95787140	MFI
2085	FALSE	OVA	7.765000e+02	0.20136160	MFI
2086	FALSE	PRN	1.816954e+03	0.28697232	MFI
2087	FALSE	DT	8.068117e+03	0.63830711	MFI
2088	FALSE	FHA	5.316337e+01	0.23949537	MFI
2089	FALSE	FIM2/3	2.887500e+02	0.54429783	MFI
2090	FALSE	TT	2.126795e+04	1.60162901	MFI
2091	FALSE	PT	4.897500e+02	4.34368071	MFI
2092	FALSE	OVA	6.765000e+02	0.17542965	MFI

2093	FALSE	PRN	9.101704e+03	1.43753647	MFI
2094	FALSE	DT	1.667987e+04	1.31962361	MFI
2095	FALSE	FHA	6.016337e+01	0.27102963	MFI
2096	FALSE	FIM2/3	7.212500e+02	1.35956645	MFI
2097	FALSE	TT	2.412745e+04	1.81696987	MFI
2098	FALSE	PT	1.019250e+03	9.03991131	MFI
2099	FALSE	OVA	6.597500e+02	0.17108605	MFI
2100	FALSE	PRN	1.044020e+04	1.64894113	MFI
2101	FALSE	DT	1.669787e+04	1.32104768	MFI
2102	FALSE	FHA	5.666337e+01	0.25526250	MFI
2103	FALSE	FIM2/3	7.525000e+02	1.41847314	MFI
2104	FALSE	TT	2.397795e+04	1.80571145	MFI
2105	FALSE	PT	1.023250e+03	9.07538803	MFI
2106	FALSE	OVA	7.045000e+02	0.18269060	MFI
2107	FALSE	PRN	8.318454e+03	1.31382881	MFI
2108	FALSE	DT	1.439912e+04	1.13918263	MFI
2109	FALSE	FHA	1.366634e+02	0.61565406	MFI
2110	FALSE	FIM2/3	4.394500e+03	8.28369463	MFI
2111	FALSE	TT	2.218245e+04	1.67049742	MFI
2112	FALSE	PT	8.742500e+02	7.75388027	MFI
2113	FALSE	OVA	7.092500e+02	0.18392237	MFI
2114	FALSE	PRN	1.261707e+04	1.99275880	MFI
2115	FALSE	DT	1.706900e+04	1.35040977	MFI
2116	FALSE	FHA	2.282109e+01	0.10280661	MFI
2117	FALSE	FIM2/3	3.231260e+02	0.60909701	MFI
2118	FALSE	TT	1.878865e+04	1.41491989	MFI
2119	FALSE	PT	4.325000e+01	0.38359202	MFI
2120	FALSE	OVA	3.478428e+02	0.09020243	MFI
2121	FALSE	PRN	1.172432e+04	1.85175655	MFI
2122	FALSE	DT	1.711850e+04	1.35432595	MFI
2123	FALSE	FHA	4.207109e+01	0.18952583	MFI
2124	FALSE	FIM2/3	2.030376e+03	3.82728739	MFI
2125	FALSE	TT	1.843140e+04	1.38801641	MFI
2126	FALSE	PT	4.675000e+01	0.41463415	MFI
2127	FALSE	OVA	3.665928e+02	0.09506467	MFI
2128	FALSE	PRN	1.170082e+04	1.84804493	MFI
2129	FALSE	DT	1.742925e+04	1.37891086	MFI
2130	FALSE	FHA	2.232109e+01	0.10055416	MFI
2131	FALSE	FIM2/3	3.348760e+02	0.63124592	MFI
2132	FALSE	TT	1.826990e+04	1.37585430	MFI
2133	FALSE	PT	4.125000e+01	0.36585366	MFI
2134	FALSE	OVA	3.520928e+02	0.09130454	MFI
2135	FALSE	PRN	1.951682e+04	3.08251549	MFI

2136	FALSE	DT	2.071375e+04	1.63876328	MFI
2137	FALSE	FHA	3.082109e+01	0.13884576	MFI
2138	FALSE	FIM2/3	7.083760e+02	1.33529870	MFI
2139	FALSE	TT	2.198715e+04	1.65578989	MFI
2140	FALSE	PT	1.335000e+02	1.18403548	MFI
2141	FALSE	OVA	2.735928e+02	0.07094795	MFI
2142	FALSE	PRN	1.993657e+04	3.14881142	MFI
2143	FALSE	DT	2.121275e+04	1.67824154	MFI
2144	FALSE	FHA	5.082109e+01	0.22894365	MFI
2145	FALSE	FIM2/3	9.918760e+02	1.86970021	MFI
2146	FALSE	TT	2.353440e+04	1.77230891	MFI
2147	FALSE	PT	2.485000e+02	2.20399113	MFI
2148	FALSE	OVA	2.745928e+02	0.07120727	MFI
2149	FALSE	PRN	2.116907e+04	3.34347429	MFI
2150	FALSE	DT	2.280025e+04	1.80383622	MFI
2151	FALSE	FHA	5.532109e+01	0.24921568	MFI
2152	FALSE	FIM2/3	2.246876e+03	4.23539295	MFI
2153	FALSE	TT	2.443415e+04	1.84006654	MFI
2154	FALSE	PT	2.915000e+02	2.58536585	MFI
2155	FALSE	OVA	3.523428e+02	0.09136937	MFI
2156	FALSE	PRN	2.021932e+04	3.19346937	MFI
2157	FALSE	DT	2.058725e+04	1.62875526	MFI
2158	FALSE	FHA	3.957109e+01	0.17826359	MFI
2159	FALSE	FIM2/3	1.013626e+03	1.91069927	MFI
2160	FALSE	TT	2.149415e+04	1.61866345	MFI
2161	FALSE	PT	2.082500e+02	1.84700665	MFI
2162	FALSE	OVA	2.933428e+02	0.07606951	MFI
2163	FALSE	PRN	7.616321e+03	1.20293298	MFI
2164	FALSE	DT	2.000625e+04	1.58278959	MFI
2165	FALSE	FHA	1.257109e+01	0.05663144	MFI
2166	FALSE	FIM2/3	1.023760e+02	0.19298013	MFI
2167	FALSE	TT	9.944147e+03	0.74886560	MFI
2168	FALSE	PT	2.842500e+02	2.52106430	MFI
2169	FALSE	OVA	3.566843e+03	0.92495194	MFI
2170	FALSE	PRN	7.669071e+03	1.21126439	MFI
2171	FALSE	DT	2.086800e+04	1.65096673	MFI
2172	FALSE	FHA	2.232109e+01	0.10055416	MFI
2173	FALSE	FIM2/3	1.758760e+02	0.33152867	MFI
2174	FALSE	TT	1.006140e+04	0.75769536	MFI
2175	FALSE	PT	2.912500e+02	2.58314856	MFI
2176	FALSE	OVA	3.685343e+03	0.95568131	MFI
2177	FALSE	PRN	7.414071e+03	1.17098931	MFI
2178	FALSE	DT	2.063425e+04	1.63247366	MFI

2179	FALSE	FHA	2.732109e+01	0.12307863	MFI
2180	FALSE	FIM2/3	2.161260e+02	0.40740049	MFI
2181	FALSE	TT	9.950397e+03	0.74933627	MFI
2182	FALSE	PT	2.995000e+02	2.65631929	MFI
2183	FALSE	OVA	3.615843e+03	0.93765860	MFI
2184	FALSE	PRN	1.271107e+04	2.00760530	MFI
2185	FALSE	DT	2.111875e+04	1.67080476	MFI
2186	FALSE	FHA	1.907109e+01	0.08591326	MFI
2187	FALSE	FIM2/3	3.798760e+02	0.71607156	MFI
2188	FALSE	TT	2.017490e+04	1.51931446	MFI
2189	FALSE	PT	3.315000e+02	2.94013304	MFI
2190	FALSE	OVA	3.288093e+03	0.85266663	MFI
2191	FALSE	PRN	2.086232e+04	3.29502574	MFI
2192	FALSE	DT	2.170400e+04	1.71710667	MFI
2193	FALSE	FHA	3.307109e+01	0.14898178	MFI
2194	FALSE	FIM2/3	3.605126e+03	6.79571341	MFI
2195	FALSE	TT	2.447015e+04	1.84277760	MFI
2196	FALSE	PT	5.167500e+02	4.58314856	MFI
2197	FALSE	OVA	3.415093e+03	0.88560021	MFI
2198	FALSE	PRN	1.647257e+04	2.60170216	MFI
2199	FALSE	DT	2.129550e+04	1.68478829	MFI
2200	FALSE	FHA	4.482109e+01	0.20191429	MFI
2201	FALSE	FIM2/3	1.057876e+03	1.99411114	MFI
2202	FALSE	TT	2.298790e+04	1.73115354	MFI
2203	FALSE	PT	4.777500e+02	4.23725055	MFI
2204	FALSE	OVA	3.106343e+03	0.80553531	MFI
2205	FALSE	PRN	1.209957e+04	1.91102409	MFI
2206	FALSE	DT	2.117975e+04	1.67563076	MFI
2207	FALSE	FHA	1.157109e+01	0.05212655	MFI
2208	FALSE	FIM2/3	2.537596e+01	0.04783405	MFI
2209	FALSE	TT	1.927540e+04	1.45157566	MFI
2210	FALSE	PT	4.140000e+02	3.67184035	MFI
2211	FALSE	OVA	2.962093e+03	0.76812847	MFI
2212	FALSE	PRN	1.954221e+04	3.08652505	MFI
2213	FALSE	DT	1.434646e+04	1.13501641	MFI
2214	FALSE	FHA	2.219808e+02	1.00000000	MFI
2215	FALSE	FIM2/3	1.669447e+03	3.14693203	MFI
2216	FALSE	TT	1.806056e+04	1.36009008	MFI
2217	FALSE	PT	1.579501e+02	1.40088747	MFI
2218	FALSE	OVA	4.687701e+03	1.21561242	MFI
2219	FALSE	PRN	1.894021e+04	2.99144428	MFI
2220	FALSE	DT	1.381046e+04	1.09261090	MFI
2221	FALSE	FHA	4.321157e+01	0.19466355	MFI

2222	FALSE	FIM2/3	2.337447e+03	4.40612147	MFI
2223	FALSE	TT	1.748856e+04	1.31701438	MFI
2224	FALSE	PT	1.472001e+02	1.30554379	MFI
2225	FALSE	OVA	4.373201e+03	1.13405643	MFI
2226	FALSE	PRN	1.923321e+04	3.03772114	MFI
2227	FALSE	DT	1.412896e+04	1.11780895	MFI
2228	FALSE	FHA	8.132116e+02	3.66343228	MFI
2229	FALSE	FIM2/3	2.746447e+03	5.17709225	MFI
2230	FALSE	TT	1.774906e+04	1.33663190	MFI
2231	FALSE	PT	1.527001e+02	1.35432428	MFI
2232	FALSE	OVA	4.451701e+03	1.15441301	MFI
2233	FALSE	PRN	2.080071e+04	3.28529440	MFI
2234	FALSE	DT	2.154346e+04	1.70440531	MFI
2235	FALSE	FHA	1.301212e+03	5.86182077	MFI
2236	FALSE	FIM2/3	1.219020e+04	22.97869452	MFI
2237	FALSE	TT	2.488356e+04	1.87391093	MFI
2238	FALSE	PT	3.312001e+02	2.93747284	MFI
2239	FALSE	OVA	4.149201e+03	1.07596886	MFI
2240	FALSE	PRN	2.040171e+04	3.22227575	MFI
2241	FALSE	DT	2.192496e+04	1.73458759	MFI
2242	FALSE	FHA	1.485462e+03	6.69184757	MFI
2243	FALSE	FIM2/3	1.198895e+04	22.59933542	MFI
2244	FALSE	TT	2.482106e+04	1.86920423	MFI
2245	FALSE	PT	4.364501e+02	3.87095399	MFI
2246	FALSE	OVA	4.288701e+03	1.11214393	MFI
2247	FALSE	PRN	2.179321e+04	3.44205131	MFI
2248	FALSE	DT	2.121321e+04	1.67827766	MFI
2249	FALSE	FHA	1.252962e+03	5.64445961	MFI
2250	FALSE	FIM2/3	6.930947e+03	13.06493391	MFI
2251	FALSE	TT	2.501956e+04	1.88415271	MFI
2252	FALSE	PT	3.819501e+02	3.38758370	MFI
2253	FALSE	OVA	3.580201e+03	0.92841606	MFI
2254	FALSE	PRN	2.221321e+04	3.50838673	MFI
2255	FALSE	DT	1.729821e+04	1.36854339	MFI
2256	FALSE	FHA	1.455462e+03	6.55670074	MFI
2257	FALSE	FIM2/3	3.977447e+03	7.49754466	MFI
2258	FALSE	TT	2.200431e+04	1.65708275	MFI
2259	FALSE	PT	2.132001e+02	1.89090964	MFI
2260	FALSE	OVA	3.247701e+03	0.84219232	MFI
2261	FALSE	PRN	2.311764e+03	0.36512340	MFI
2262	FALSE	DT	4.568939e+03	0.36147052	MFI
2263	FALSE	FHA	8.798254e+02	3.96352048	MFI
2264	FALSE	FIM2/3	4.962537e+01	0.09354452	MFI

2265	FALSE	TT	4.855140e+03	0.36562690	MFI
2266	FALSE	PT	2.420128e+01	0.21464548	MFI
2267	FALSE	OVA	2.447565e+03	0.63470130	MFI
2268	FALSE	PRN	5.747764e+03	0.90781030	MFI
2269	FALSE	DT	7.270439e+03	0.57519904	MFI
2270	FALSE	FHA	2.144575e+03	9.66108574	MFI
2271	FALSE	FIM2/3	6.462537e+01	0.12181974	MFI
2272	FALSE	TT	9.519890e+03	0.71691604	MFI
2273	FALSE	PT	5.970128e+01	0.52950135	MFI
2274	FALSE	OVA	5.126065e+03	1.32928862	MFI
2275	FALSE	PRN	5.989764e+03	0.94603214	MFI
2276	FALSE	DT	6.680189e+03	0.52850155	MFI
2277	FALSE	FHA	2.217575e+03	9.98994303	MFI
2278	FALSE	FIM2/3	2.962537e+01	0.05584424	MFI
2279	FALSE	TT	9.222890e+03	0.69454981	MFI
2280	FALSE	PT	5.670128e+01	0.50289381	MFI
2281	FALSE	OVA	5.028815e+03	1.30406980	MFI
2282	FALSE	PRN	1.505651e+04	2.37804799	MFI
2283	FALSE	DT	1.473269e+04	1.16557313	MFI
2284	FALSE	FHA	4.735825e+03	21.33439349	MFI
2285	FALSE	FIM2/3	4.311254e+02	0.81267742	MFI
2286	FALSE	TT	2.239964e+04	1.68685361	MFI
2287	FALSE	PT	1.527013e+02	1.35433505	MFI
2288	FALSE	OVA	3.876315e+03	1.00520406	MFI
2289	FALSE	PRN	2.403576e+04	3.79624397	MFI
2290	FALSE	DT	2.363794e+04	1.87010981	MFI
2291	FALSE	FHA	1.317933e+04	59.37146981	MFI
2292	FALSE	FIM2/3	3.412875e+03	6.43331832	MFI
2293	FALSE	TT	2.712039e+04	2.04235995	MFI
2294	FALSE	PT	4.749513e+02	4.21242818	MFI
2295	FALSE	OVA	4.542065e+03	1.17784602	MFI
2296	FALSE	PRN	2.351776e+04	3.71443029	MFI
2297	FALSE	DT	2.103344e+04	1.66405543	MFI
2298	FALSE	FHA	8.779575e+03	39.55106044	MFI
2299	FALSE	FIM2/3	1.726625e+03	3.25471323	MFI
2300	FALSE	TT	2.712514e+04	2.04271766	MFI
2301	FALSE	PT	2.892013e+02	2.56497807	MFI
2302	FALSE	OVA	3.912565e+03	1.01460439	MFI
2303	FALSE	PRN	1.890051e+04	2.98517502	MFI
2304	FALSE	DT	1.379994e+04	1.09177884	MFI
2305	FALSE	FHA	5.348075e+03	24.09251512	MFI
2306	FALSE	FIM2/3	4.117125e+03	7.76083953	MFI
2307	FALSE	TT	2.333064e+04	1.75696459	MFI

2308	FALSE	PT	2.177013e+02	1.93083173	MFI
2309	FALSE	OVA	5.320565e+03	1.37972627	MFI
2310	FALSE	PRN	5.727388e+03	0.90459202	MFI
2311	FALSE	DT	1.974370e+04	1.56201839	MFI
2312	FALSE	FHA	1.995902e+03	8.99132897	MFI
2313	FALSE	FIM2/3	1.354501e+03	2.55325373	MFI
2314	FALSE	TT	1.170709e+04	0.88162788	MFI
2315	FALSE	PT	2.925000e+01	0.25942350	MFI
2316	FALSE	OVA	3.856247e+03	1.00000000	MFI
2317	FALSE	PRN	5.673138e+03	0.89602370	MFI
2318	FALSE	DT	1.948895e+04	1.54186390	MFI
2319	FALSE	FHA	1.948152e+03	8.77622026	MFI
2320	FALSE	FIM2/3	1.272501e+03	2.39868258	MFI
2321	FALSE	TT	1.132259e+04	0.85267227	MFI
2322	FALSE	PT	3.275000e+01	0.29046563	MFI
2323	FALSE	OVA	3.755497e+03	0.97387356	MFI
2324	FALSE	PRN	6.824138e+03	1.07781433	MFI
2325	FALSE	DT	2.100145e+04	1.66152497	MFI
2326	FALSE	FHA	2.352652e+03	10.59845007	MFI
2327	FALSE	FIM2/3	1.609251e+03	3.03346109	MFI
2328	FALSE	TT	1.342259e+04	1.01081733	MFI
2329	FALSE	PT	3.225000e+01	0.28603104	MFI
2330	FALSE	OVA	4.843247e+03	1.25594836	MFI
2331	FALSE	PRN	2.254189e+04	3.56029893	MFI
2332	FALSE	DT	2.266270e+04	1.79295436	MFI
2333	FALSE	FHA	4.445402e+03	20.02606794	MFI
2334	FALSE	FIM2/3	2.039800e+04	38.45052046	MFI
2335	FALSE	TT	2.491334e+04	1.87615324	MFI
2336	FALSE	PT	1.077500e+02	0.95565410	MFI
2337	FALSE	OVA	4.066247e+03	1.05445710	MFI
2338	FALSE	PRN	2.302489e+04	3.63658467	MFI
2339	FALSE	DT	2.265370e+04	1.79224233	MFI
2340	FALSE	FHA	5.088652e+03	22.92384129	MFI
2341	FALSE	FIM2/3	2.373600e+04	44.74269766	MFI
2342	FALSE	TT	2.594734e+04	1.95402086	MFI
2343	FALSE	PT	1.687500e+02	1.49667406	MFI
2344	FALSE	OVA	4.164497e+03	1.07993524	MFI
2345	FALSE	PRN	2.177639e+04	3.43939474	MFI
2346	FALSE	DT	2.207870e+04	1.74675134	MFI
2347	FALSE	FHA	6.205152e+03	27.95355595	MFI
2348	FALSE	FIM2/3	1.494525e+04	28.17200963	MFI
2349	FALSE	TT	2.525609e+04	1.90196477	MFI
2350	FALSE	PT	4.927500e+02	4.37028825	MFI

2351	FALSE	OVA	4.468497e+03	1.15876837	MFI
2352	FALSE	PRN	1.443164e+04	2.27935410	MFI
2353	FALSE	DT	1.868570e+04	1.47831497	MFI
2354	FALSE	FHA	3.414152e+03	15.38039553	MFI
2355	FALSE	FIM2/3	1.541825e+04	29.06362131	MFI
2356	FALSE	TT	1.949359e+04	1.46800718	MFI
2357	FALSE	PT	4.225000e+01	0.37472284	MFI
2358	FALSE	OVA	3.050247e+03	0.79098847	MFI
2359	FALSE	PRN	1.266207e+03	0.19998668	MFI
2360	FALSE	DT	1.614021e+04	1.27692851	MFI
2361	FALSE	FHA	1.324616e+02	0.59672538	MFI
2362	FALSE	FIM2/3	1.579697e+03	2.97775201	MFI
2363	FALSE	TT	8.394565e+03	0.63217094	MFI
2364	FALSE	PT	2.645006e+01	0.23459035	MFI
2365	FALSE	OVA	1.717951e+03	0.44549829	MFI
2366	FALSE	PRN	1.348957e+03	0.21305633	MFI
2367	FALSE	DT	1.604696e+04	1.26955106	MFI
2368	FALSE	FHA	2.398078e+01	0.10803090	MFI
2369	FALSE	FIM2/3	1.998447e+03	3.76710168	MFI
2370	FALSE	TT	8.358065e+03	0.62942223	MFI
2371	FALSE	PT	2.345006e+01	0.20798281	MFI
2372	FALSE	OVA	1.681451e+03	0.43603313	MFI
2373	FALSE	PRN	1.934621e+04	3.05556852	MFI
2374	FALSE	DT	2.244246e+04	1.77552948	MFI
2375	FALSE	FHA	7.944616e+02	3.57896551	MFI
2376	FALSE	FIM2/3	1.350295e+04	25.45324683	MFI
2377	FALSE	TT	2.426506e+04	1.82733344	MFI
2378	FALSE	PT	3.737001e+02	3.31441297	MFI
2379	FALSE	OVA	2.102201e+03	0.54514181	MFI
2380	FALSE	PRN	1.757796e+04	2.77628851	MFI
2381	FALSE	DT	2.297571e+04	1.81771742	MFI
2382	FALSE	FHA	5.009616e+02	2.25677898	MFI
2383	FALSE	FIM2/3	1.020245e+04	19.23175766	MFI
2384	FALSE	TT	2.334156e+04	1.75778727	MFI
2385	FALSE	PT	4.717001e+02	4.18359257	MFI
2386	FALSE	OVA	1.951701e+03	0.50611423	MFI
2387	FALSE	PRN	2.079971e+04	3.28513645	MFI
2388	FALSE	DT	2.313321e+04	1.83017800	MFI
2389	FALSE	FHA	9.649616e+02	4.34705001	MFI
2390	FALSE	FIM2/3	1.328120e+04	25.03524494	MFI
2391	FALSE	TT	2.492556e+04	1.87707383	MFI
2392	FALSE	PT	6.152001e+02	5.45631984	MFI
2393	FALSE	OVA	1.823201e+03	0.47279167	MFI

2394	FALSE	PRN	1.844121e+04	2.91263149	MFI
2395	FALSE	DT	2.198671e+04	1.73947293	MFI
2396	FALSE	FHA	7.502116e+02	3.37962393	MFI
2397	FALSE	FIM2/3	1.412670e+04	26.62902439	MFI
2398	FALSE	TT	2.303031e+04	1.73434791	MFI
2399	FALSE	PT	3.372001e+02	2.99068791	MFI
2400	FALSE	OVA	2.001701e+03	0.51908020	MFI
2401	FALSE	PRN	1.564646e+04	2.47122455	MFI
2402	FALSE	DT	1.992971e+04	1.57673387	MFI
2403	FALSE	FHA	2.242116e+02	1.01004944	MFI
2404	FALSE	FIM2/3	6.324947e+03	11.92261535	MFI
2405	FALSE	TT	1.974756e+04	1.48713329	MFI
2406	FALSE	PT	1.162001e+02	1.03059922	MFI
2407	FALSE	OVA	4.253451e+03	1.10300292	MFI
2408	FALSE	PRN	6.372092e+02	0.10064176	MFI
2409	FALSE	DT	6.709575e+02	0.19369270	MFI
2410	FALSE	FHA	0.000000e+00	0.03185452	MFI
2411	FALSE	FIM2/3	4.474411e-01	0.02615638	MFI
2412	FALSE	TT	8.423148e+02	0.19257151	MFI
2413	FALSE	PT	5.447441e+00	0.04831433	MFI
2414	FALSE	OVA	2.032862e+03	0.52716088	MFI
2415	FALSE	PRN	9.307092e+02	0.14699759	MFI
2416	FALSE	DT	9.657075e+02	0.19369270	MFI
2417	FALSE	FHA	0.000000e+00	0.03185452	MFI
2418	FALSE	FIM2/3	6.947441e+00	0.02615638	MFI
2419	FALSE	TT	1.270315e+03	0.19257151	MFI
2420	FALSE	PT	6.447441e+00	0.05718351	MFI
2421	FALSE	OVA	3.292612e+03	0.85383863	MFI
2422	FALSE	PRN	1.020959e+03	0.16125180	MFI
2423	FALSE	DT	1.032457e+03	0.19369270	MFI
2424	FALSE	FHA	0.000000e+00	0.03185452	MFI
2425	FALSE	FIM2/3	6.697441e+00	0.02615638	MFI
2426	FALSE	TT	1.350565e+03	0.19257151	MFI
2427	FALSE	PT	5.197441e+00	0.04609704	MFI
2428	FALSE	OVA	3.172362e+03	0.82265546	MFI
2429	FALSE	PRN	1.911046e+04	3.01833409	MFI
2430	FALSE	DT	9.563707e+03	0.75663039	MFI
2431	FALSE	FHA	5.179908e+00	0.03185452	MFI
2432	FALSE	FIM2/3	5.596447e+03	10.54938255	MFI
2433	FALSE	TT	2.429906e+04	1.82989389	MFI
2434	FALSE	PT	6.719744e+01	0.59598617	MFI
2435	FALSE	OVA	4.304362e+03	1.11620515	MFI
2436	FALSE	PRN	2.119471e+04	3.34752361	MFI

2437	FALSE	DT	1.716996e+04	1.35839700	MFI
2438	FALSE	FHA	4.792991e+01	0.21591918	MFI
2439	FALSE	FIM2/3	1.228545e+04	23.15824211	MFI
2440	FALSE	TT	2.439256e+04	1.83693511	MFI
2441	FALSE	PT	1.339474e+02	1.18800391	MFI
2442	FALSE	OVA	5.041612e+03	1.30738846	MFI
2443	FALSE	PRN	1.683721e+04	2.65929364	MFI
2444	FALSE	DT	1.479171e+04	1.17024233	MFI
2445	FALSE	FHA	1.344299e+02	0.60559255	MFI
2446	FALSE	FIM2/3	8.472447e+03	15.97068321	MFI
2447	FALSE	TT	2.307806e+04	1.73794383	MFI
2448	FALSE	PT	8.294744e+01	0.73567575	MFI
2449	FALSE	OVA	4.422362e+03	1.14680485	MFI
2450	FALSE	PRN	7.316709e+03	1.15561184	MFI
2451	FALSE	DT	9.973207e+03	0.78902788	MFI
2452	FALSE	FHA	5.432150e+02	2.44712603	MFI
2453	FALSE	FIM2/3	3.028447e+03	5.70866624	MFI
2454	FALSE	TT	1.464231e+04	1.10267134	MFI
2455	FALSE	PT	5.094744e+01	0.45186201	MFI
2456	FALSE	OVA	5.219362e+03	1.35348251	MFI
2457	FALSE	PRN	1.328171e+04	2.09773245	MFI
2458	FALSE	DT	6.419957e+03	0.50791330	MFI
2459	FALSE	FHA	1.509616e+02	0.68006593	MFI
2460	FALSE	FIM2/3	1.619474e+02	0.30527322	MFI
2461	FALSE	TT	3.110065e+03	0.23421019	MFI
2462	FALSE	PT	2.995006e+01	0.26563248	MFI
2463	FALSE	OVA	3.278451e+03	0.85016639	MFI
2464	FALSE	PRN	1.345771e+04	2.12553015	MFI
2465	FALSE	DT	6.547457e+03	0.51800043	MFI
2466	FALSE	FHA	2.171157e+01	0.09780832	MFI
2467	FALSE	FIM2/3	1.034474e+02	0.19499989	MFI
2468	FALSE	TT	3.110065e+03	0.23421019	MFI
2469	FALSE	PT	2.795006e+01	0.24789412	MFI
2470	FALSE	OVA	3.335201e+03	0.86488277	MFI
2471	FALSE	PRN	1.373096e+04	2.16868766	MFI
2472	FALSE	DT	6.730707e+03	0.53249821	MFI
2473	FALSE	FHA	1.746157e+01	0.07866252	MFI
2474	FALSE	FIM2/3	2.219474e+02	0.41837406	MFI
2475	FALSE	TT	3.252315e+03	0.24492263	MFI
2476	FALSE	PT	3.045006e+01	0.27006707	MFI
2477	FALSE	OVA	3.317451e+03	0.86027985	MFI
2478	FALSE	PRN	2.051996e+04	3.24095233	MFI
2479	FALSE	DT	1.870371e+04	1.47973918	MFI

2480	FALSE	FHA	1.755712e+03	7.90929530	MFI
2481	FALSE	FIM2/3	6.567697e+03	12.38020253	MFI
2482	FALSE	TT	1.658081e+04	1.24865429	MFI
2483	FALSE	PT	7.695006e+01	0.68248392	MFI
2484	FALSE	OVA	3.597951e+03	0.93301898	MFI
2485	FALSE	PRN	2.328821e+04	3.67817381	MFI
2486	FALSE	DT	2.006246e+04	1.58723636	MFI
2487	FALSE	FHA	2.335212e+03	10.51988163	MFI
2488	FALSE	FIM2/3	6.996197e+03	13.18793109	MFI
2489	FALSE	TT	2.208606e+04	1.66323911	MFI
2490	FALSE	PT	2.219501e+02	1.96851497	MFI
2491	FALSE	OVA	3.684451e+03	0.95545011	MFI
2492	FALSE	PRN	2.195121e+04	3.46700606	MFI
2493	FALSE	DT	1.781396e+04	1.40934683	MFI
2494	FALSE	FHA	1.267962e+03	5.71203303	MFI
2495	FALSE	FIM2/3	8.735447e+03	16.46644192	MFI
2496	FALSE	TT	2.033556e+04	1.53141390	MFI
2497	FALSE	PT	1.937001e+02	1.71796064	MFI
2498	FALSE	OVA	3.459451e+03	0.89710322	MFI
2499	FALSE	PRN	1.944621e+04	3.07136267	MFI
2500	FALSE	DT	1.092146e+04	0.86404837	MFI
2501	FALSE	FHA	1.042212e+03	4.69505311	MFI
2502	FALSE	FIM2/3	3.855947e+03	7.26851544	MFI
2503	FALSE	TT	1.379431e+04	1.03881086	MFI
2504	FALSE	PT	6.795006e+01	0.60266131	MFI
2505	FALSE	OVA	4.045701e+03	1.04912929	MFI
2506	FALSE	PRN	4.559709e+03	0.72016719	MFI
2507	FALSE	DT	1.309496e+04	1.03600437	MFI
2508	FALSE	FHA	2.614299e+02	1.17771414	MFI
2509	FALSE	FIM2/3	4.256947e+03	8.02440611	MFI
2510	FALSE	TT	9.442315e+03	0.71107404	MFI
2511	FALSE	PT	1.016974e+02	0.90197287	MFI
2512	FALSE	OVA	8.312862e+03	2.15568742	MFI
2513	FALSE	PRN	3.684209e+03	0.58188943	MFI
2514	FALSE	DT	1.162146e+04	0.91942877	MFI
2515	FALSE	FHA	9.929908e+00	0.04473319	MFI
2516	FALSE	FIM2/3	2.445197e+03	4.60923175	MFI
2517	FALSE	TT	8.405065e+03	0.63296167	MFI
2518	FALSE	PT	8.394744e+01	0.74454493	MFI
2519	FALSE	OVA	7.550362e+03	1.95795629	MFI
2520	FALSE	PRN	4.369709e+03	0.69015831	MFI
2521	FALSE	DT	1.222921e+04	0.96751077	MFI
2522	FALSE	FHA	8.367991e+01	0.37696916	MFI

2523	FALSE	FIM2/3	3.452197e+03	6.50744098	MFI
2524	FALSE	TT	8.956565e+03	0.67449358	MFI
2525	FALSE	PT	1.066974e+02	0.94631877	MFI
2526	FALSE	OVA	8.148612e+03	2.11309419	MFI
2527	FALSE	PRN	1.894746e+04	2.99258963	MFI
2528	FALSE	DT	2.217046e+04	1.75401034	MFI
2529	FALSE	FHA	7.167991e+01	0.32291042	MFI
2530	FALSE	FIM2/3	3.303947e+03	6.22798764	MFI
2531	FALSE	TT	2.502781e+04	1.88477399	MFI
2532	FALSE	PT	2.704474e+02	2.39864693	MFI
2533	FALSE	OVA	7.487862e+03	1.94174882	MFI
2534	FALSE	PRN	2.207021e+04	3.48580137	MFI
2535	FALSE	DT	2.429546e+04	1.92212919	MFI
2536	FALSE	FHA	2.058430e+03	9.27300948	MFI
2537	FALSE	FIM2/3	7.373197e+03	13.89858142	MFI
2538	FALSE	TT	2.624931e+04	1.97676170	MFI
2539	FALSE	PT	4.874474e+02	4.32325890	MFI
2540	FALSE	OVA	8.411112e+03	2.18116557	MFI
2541	FALSE	PRN	2.081521e+04	3.28758482	MFI
2542	FALSE	DT	2.333896e+04	1.84645593	MFI
2543	FALSE	FHA	1.431430e+03	6.44844065	MFI
2544	FALSE	FIM2/3	9.305947e+03	17.54184249	MFI
2545	FALSE	TT	2.661806e+04	2.00453122	MFI
2546	FALSE	PT	3.859474e+02	3.42303717	MFI
2547	FALSE	OVA	7.949862e+03	2.06155444	MFI
2548	FALSE	PRN	1.897271e+04	2.99657766	MFI
2549	FALSE	DT	1.958996e+04	1.54985471	MFI
2550	FALSE	FHA	1.787930e+03	8.05443553	MFI
2551	FALSE	FIM2/3	9.735947e+03	18.35239857	MFI
2552	FALSE	TT	2.590781e+04	1.95104430	MFI
2553	FALSE	PT	2.526974e+02	2.24121899	MFI
2554	FALSE	OVA	8.305362e+03	2.15374253	MFI
2555	FALSE	PRN	6.621704e+03	1.04584162	MFI
2556	FALSE	DT	1.643462e+04	1.30022072	MFI
2557	FALSE	FHA	4.663370e+00	0.03185452	MFI
2558	FALSE	FIM2/3	4.650000e+01	0.08765316	MFI
2559	FALSE	TT	2.773947e+03	0.20889814	MFI
2560	FALSE	PT	2.025000e+01	0.17960089	MFI
2561	FALSE	OVA	1.389825e+04	3.60408744	MFI
2562	FALSE	PRN	6.510704e+03	1.02831011	MFI
2563	FALSE	DT	1.733962e+04	1.37181958	MFI
2564	FALSE	FHA	2.663370e+00	0.03185452	MFI
2565	FALSE	FIM2/3	2.350000e+01	0.04429783	MFI

2566	FALSE	TT	3.055447e+03	0.23009711	MFI
2567	FALSE	PT	2.225000e+01	0.19733925	MFI
2568	FALSE	OVA	1.235425e+04	3.20369811	MFI
2569	FALSE	PRN	6.107704e+03	0.96465970	MFI
2570	FALSE	DT	1.703312e+04	1.34757090	MFI
2571	FALSE	FHA	5.163370e+00	0.03185452	MFI
2572	FALSE	FIM2/3	2.150000e+01	0.04052780	MFI
2573	FALSE	TT	2.897447e+03	0.21819858	MFI
2574	FALSE	PT	2.525000e+01	0.22394678	MFI
2575	FALSE	OVA	1.378175e+04	3.57387671	MFI
2576	FALSE	PRN	1.442970e+04	2.27904864	MFI
2577	FALSE	DT	2.270212e+04	1.79607245	MFI
2578	FALSE	FHA	1.616337e+01	0.07281427	MFI
2579	FALSE	FIM2/3	6.605000e+02	1.24505184	MFI
2580	FALSE	TT	1.845945e+04	1.39012881	MFI
2581	FALSE	PT	1.802500e+02	1.59866962	MFI
2582	FALSE	OVA	1.364125e+04	3.53744232	MFI
2583	FALSE	PRN	2.148470e+04	3.39332574	MFI
2584	FALSE	DT	2.508262e+04	1.98440513	MFI
2585	FALSE	FHA	2.566337e+01	0.11561077	MFI
2586	FALSE	FIM2/3	7.835000e+02	1.47690858	MFI
2587	FALSE	TT	2.227220e+04	1.67725624	MFI
2588	FALSE	PT	3.777500e+02	3.35033259	MFI
2589	FALSE	OVA	1.298525e+04	3.36732872	MFI
2590	FALSE	PRN	1.913845e+04	3.02275556	MFI
2591	FALSE	DT	2.382637e+04	1.88501722	MFI
2592	FALSE	FHA	1.491337e+01	0.06718316	MFI
2593	FALSE	FIM2/3	5.887500e+02	1.10980207	MFI
2594	FALSE	TT	2.028145e+04	1.52733848	MFI
2595	FALSE	PT	3.235000e+02	2.86917960	MFI
2596	FALSE	OVA	1.302675e+04	3.37809048	MFI
2597	FALSE	PRN	1.468695e+04	2.31967909	MFI
2598	FALSE	DT	2.020062e+04	1.59816689	MFI
2599	FALSE	FHA	2.166337e+01	0.09759119	MFI
2600	FALSE	FIM2/3	6.345000e+02	1.19604147	MFI
2601	FALSE	TT	1.435545e+04	1.08106817	MFI
2602	FALSE	PT	1.822500e+02	1.61640798	MFI
2603	FALSE	OVA	1.239100e+04	3.21322810	MFI
2604	FALSE	PRN	1.293870e+04	2.04355791	MFI
2605	FALSE	DT	1.263987e+04	1.00000000	MFI
2606	FALSE	FHA	2.016337e+01	0.09083385	MFI
2607	FALSE	FIM2/3	5.305000e+02	1.00000000	MFI
2608	FALSE	TT	1.240595e+04	0.93425684	MFI

2609	FALSE	PT	2.237500e+02	1.98447894	MFI
2610	FALSE	OVA	1.770250e+03	0.45906037	MFI
2611	FALSE	PRN	1.282695e+04	2.02590795	MFI
2612	FALSE	DT	1.258837e+04	0.99592559	MFI
2613	FALSE	FHA	1.291337e+01	0.05817337	MFI
2614	FALSE	FIM2/3	4.655000e+02	0.87747408	MFI
2615	FALSE	TT	1.232645e+04	0.92826992	MFI
2616	FALSE	PT	2.157500e+02	1.91352550	MFI
2617	FALSE	OVA	1.794750e+03	0.46541370	MFI
2618	FALSE	PRN	1.224270e+04	1.93363064	MFI
2619	FALSE	DT	1.240137e+04	0.98113113	MFI
2620	FALSE	FHA	2.441337e+01	0.10997965	MFI
2621	FALSE	FIM2/3	6.332500e+02	1.19368520	MFI
2622	FALSE	TT	1.192845e+04	0.89829766	MFI
2623	FALSE	PT	2.207500e+02	1.95787140	MFI
2624	FALSE	OVA	1.652250e+03	0.42846067	MFI
2625	FALSE	PRN	1.806920e+04	2.85387664	MFI
2626	FALSE	DT	1.872787e+04	1.48165064	MFI
2627	FALSE	FHA	2.366337e+01	0.10660098	MFI
2628	FALSE	FIM2/3	7.145000e+02	1.34684260	MFI
2629	FALSE	TT	2.397395e+04	1.80541022	MFI
2630	FALSE	PT	5.862500e+02	5.19955654	MFI
2631	FALSE	OVA	1.599500e+03	0.41478156	MFI
2632	FALSE	PRN	1.876395e+04	2.96360648	MFI
2633	FALSE	DT	1.903162e+04	1.50568174	MFI
2634	FALSE	FHA	3.241337e+01	0.14601881	MFI
2635	FALSE	FIM2/3	8.280000e+02	1.56079171	MFI
2636	FALSE	TT	2.464520e+04	1.85596016	MFI
2637	FALSE	PT	6.452500e+02	5.72283814	MFI
2638	FALSE	OVA	1.555750e+03	0.40343633	MFI
2639	FALSE	PRN	1.748070e+04	2.76092808	MFI
2640	FALSE	DT	1.786962e+04	1.41375040	MFI
2641	FALSE	FHA	2.016337e+01	0.09083385	MFI
2642	FALSE	FIM2/3	7.335000e+02	1.38265787	MFI
2643	FALSE	TT	2.374870e+04	1.78844728	MFI
2644	FALSE	PT	5.962500e+02	5.28824834	MFI
2645	FALSE	OVA	1.500750e+03	0.38917376	MFI
2646	FALSE	PRN	1.589745e+04	2.51086724	MFI
2647	FALSE	DT	1.411687e+04	1.11685249	MFI
2648	FALSE	FHA	2.166337e+01	0.09759119	MFI
2649	FALSE	FIM2/3	7.435000e+02	1.40150801	MFI
2650	FALSE	TT	2.068445e+04	1.55768727	MFI
2651	FALSE	PT	3.962500e+02	3.51441242	MFI

2652	FALSE	OVA	1.787750e+03	0.46359846	MFI
2653	FALSE	PRN	8.837071e+03	1.39574003	MFI
2654	FALSE	DT	2.693250e+03	0.21307582	MFI
2655	FALSE	FHA	1.307109e+01	0.05888389	MFI
2656	FALSE	FIM2/3	1.673760e+02	0.31550605	MFI
2657	FALSE	TT	2.166015e+04	1.63116444	MFI
2658	FALSE	PT	5.990000e+02	5.31263858	MFI
2659	FALSE	OVA	2.463843e+03	0.63892252	MFI
2660	FALSE	PRN	8.573571e+03	1.35412245	MFI
2661	FALSE	DT	2.448250e+03	0.19369270	MFI
2662	FALSE	FHA	1.857109e+01	0.08366081	MFI
2663	FALSE	FIM2/3	2.813760e+02	0.53039767	MFI
2664	FALSE	TT	2.136990e+04	1.60930654	MFI
2665	FALSE	PT	5.572500e+02	4.94235033	MFI
2666	FALSE	OVA	4.202343e+03	1.08974950	MFI
2667	FALSE	PRN	8.450071e+03	1.33461668	MFI
2668	FALSE	DT	2.496500e+03	0.19750999	MFI
2669	FALSE	FHA	1.282109e+01	0.05775766	MFI
2670	FALSE	FIM2/3	2.788760e+02	0.52568513	MFI
2671	FALSE	TT	2.155465e+04	1.62321954	MFI
2672	FALSE	PT	5.192500e+02	4.60532151	MFI
2673	FALSE	OVA	4.050843e+03	1.05046259	MFI
2674	FALSE	PRN	1.221507e+04	1.92926633	MFI
2675	FALSE	DT	6.524000e+03	0.51614467	MFI
2676	FALSE	FHA	2.907109e+01	0.13096220	MFI
2677	FALSE	FIM2/3	2.359876e+03	4.44839955	MFI
2678	FALSE	TT	2.361915e+04	1.77869120	MFI
2679	FALSE	PT	7.097500e+02	6.29490022	MFI
2680	FALSE	OVA	3.898343e+03	1.01091636	MFI
2681	FALSE	PRN	1.997282e+04	3.15453680	MFI
2682	FALSE	DT	1.430750e+04	1.13193437	MFI
2683	FALSE	FHA	2.357109e+01	0.10618528	MFI
2684	FALSE	FIM2/3	1.108126e+03	2.08883310	MFI
2685	FALSE	TT	2.570065e+04	1.93544308	MFI
2686	FALSE	PT	9.937500e+02	8.81374723	MFI
2687	FALSE	OVA	4.463593e+03	1.15749672	MFI
2688	FALSE	PRN	1.839057e+04	2.90463390	MFI
2689	FALSE	DT	2.178325e+04	1.72337651	MFI
2690	FALSE	FHA	2.907109e+01	0.13096220	MFI
2691	FALSE	FIM2/3	5.753760e+02	1.08459182	MFI
2692	FALSE	TT	2.445765e+04	1.84183626	MFI
2693	FALSE	PT	8.770000e+02	7.77827051	MFI
2694	FALSE	OVA	3.548093e+03	0.92008970	MFI

2695	FALSE	PRN	8.506071e+03	1.34346140	MFI
2696	FALSE	DT	7.554000e+03	0.59763287	MFI
2697	FALSE	FHA	7.071092e+00	0.03185452	MFI
2698	FALSE	FIM2/3	3.691260e+02	0.69580766	MFI
2699	FALSE	TT	1.130015e+04	0.85098212	MFI
2700	FALSE	PT	6.392500e+02	5.66962306	MFI
2701	FALSE	OVA	1.562343e+03	0.40514598	MFI
2702	FALSE	PRN	6.331459e+03	1.00000000	MFI
2703	FALSE	DT	8.688957e+03	0.68742475	MFI
2704	FALSE	FHA	6.492991e+01	0.29250238	MFI
2705	FALSE	FIM2/3	5.304474e+02	0.99990093	MFI
2706	FALSE	TT	1.875656e+04	1.41250388	MFI
2707	FALSE	PT	4.416974e+02	3.91749393	MFI
2708	FALSE	OVA	9.768112e+03	2.53306215	MFI
2709	FALSE	PRN	6.984459e+03	1.10313578	MFI
2710	FALSE	DT	9.170207e+03	0.72549873	MFI
2711	FALSE	FHA	1.799299e+02	0.81056525	MFI
2712	FALSE	FIM2/3	1.134197e+03	2.13797821	MFI
2713	FALSE	TT	1.933106e+04	1.45576785	MFI
2714	FALSE	PT	4.941974e+02	4.38312586	MFI
2715	FALSE	OVA	1.050736e+04	2.72476410	MFI
2716	FALSE	PRN	6.837459e+03	1.07991839	MFI
2717	FALSE	DT	8.761207e+03	0.69314079	MFI
2718	FALSE	FHA	1.207430e+03	5.43934430	MFI
2719	FALSE	FIM2/3	8.876974e+02	1.67332223	MFI
2720	FALSE	TT	1.906231e+04	1.43552905	MFI
2721	FALSE	PT	4.849474e+02	4.30108595	MFI
2722	FALSE	OVA	1.002611e+04	2.59996658	MFI
2723	FALSE	PRN	1.773596e+04	2.80124354	MFI
2724	FALSE	DT	1.393646e+04	1.10257944	MFI
2725	FALSE	FHA	1.139680e+03	5.13413770	MFI
2726	FALSE	FIM2/3	3.608197e+03	6.80150319	MFI
2727	FALSE	TT	2.205931e+04	1.66122465	MFI
2728	FALSE	PT	6.619474e+02	5.87093074	MFI
2729	FALSE	OVA	1.041161e+04	2.69993425	MFI
2730	FALSE	PRN	1.854521e+04	2.92905768	MFI
2731	FALSE	DT	1.948096e+04	1.54123120	MFI
2732	FALSE	FHA	1.886680e+03	8.49929385	MFI
2733	FALSE	FIM2/3	6.696197e+03	12.62242684	MFI
2734	FALSE	TT	2.488206e+04	1.87379797	MFI
2735	FALSE	PT	1.078697e+03	9.56716134	MFI
2736	FALSE	OVA	1.046536e+04	2.71387268	MFI
2737	FALSE	PRN	1.994371e+04	3.14993883	MFI

2738	FALSE	DT	1.778021e+04	1.40667678	MFI
2739	FALSE	FHA	2.231430e+03	10.05235622	MFI
2740	FALSE	FIM2/3	8.083197e+03	15.23694145	MFI
2741	FALSE	TT	2.430531e+04	1.83036456	MFI
2742	FALSE	PT	8.566974e+02	7.59820347	MFI
2743	FALSE	OVA	1.009711e+04	2.61837827	MFI
2744	FALSE	PRN	1.672796e+04	2.64203853	MFI
2745	FALSE	DT	1.438421e+04	1.13800307	MFI
2746	FALSE	FHA	1.257430e+03	5.66458902	MFI
2747	FALSE	FIM2/3	7.511447e+03	14.15918462	MFI
2748	FALSE	TT	2.249106e+04	1.69373852	MFI
2749	FALSE	PT	6.519474e+02	5.78223895	MFI
2750	FALSE	OVA	9.918362e+03	2.57202490	MFI
2751	FALSE	PRN	5.671454e+03	0.89575773	MFI
2752	FALSE	DT	1.457362e+04	1.15298816	MFI
2753	FALSE	FHA	3.291337e+01	0.14827126	MFI
2754	FALSE	FIM2/3	1.084250e+03	2.04382658	MFI
2755	FALSE	TT	3.296197e+03	0.24822731	MFI
2756	FALSE	PT	7.875000e+01	0.69844789	MFI
2757	FALSE	OVA	1.112325e+04	2.88447578	MFI
2758	FALSE	PRN	6.553704e+03	1.03510160	MFI
2759	FALSE	DT	1.540287e+04	1.21859407	MFI
2760	FALSE	FHA	1.516337e+01	0.06830938	MFI
2761	FALSE	FIM2/3	4.435000e+02	0.83600377	MFI
2762	FALSE	TT	4.019447e+03	0.30269323	MFI
2763	FALSE	PT	8.775000e+01	0.77827051	MFI
2764	FALSE	OVA	1.205925e+04	3.12719885	MFI
2765	FALSE	PRN	6.041204e+03	0.95415659	MFI
2766	FALSE	DT	1.435862e+04	1.13597849	MFI
2767	FALSE	FHA	3.866337e+01	0.17417440	MFI
2768	FALSE	FIM2/3	2.765000e+02	0.52120641	MFI
2769	FALSE	TT	3.399197e+03	0.25598395	MFI
2770	FALSE	PT	7.875000e+01	0.69844789	MFI
2771	FALSE	OVA	1.150950e+04	2.98463795	MFI
2772	FALSE	PRN	1.281970e+04	2.02476287	MFI
2773	FALSE	DT	1.933587e+04	1.52975241	MFI
2774	FALSE	FHA	3.141337e+01	0.14151392	MFI
2775	FALSE	FIM2/3	4.077500e+02	0.76861451	MFI
2776	FALSE	TT	1.221945e+04	0.92021205	MFI
2777	FALSE	PT	1.402500e+02	1.24390244	MFI
2778	FALSE	OVA	1.061325e+04	2.75222283	MFI
2779	FALSE	PRN	1.976295e+04	3.12139001	MFI
2780	FALSE	DT	2.190112e+04	1.73270154	MFI

2781	FALSE	FHA	7.791337e+01	0.35099151	MFI
2782	FALSE	FIM2/3	5.515000e+02	1.03958530	MFI
2783	FALSE	TT	2.110995e+04	1.58973048	MFI
2784	FALSE	PT	3.860000e+02	3.42350333	MFI
2785	FALSE	OVA	1.132025e+04	2.93556173	MFI
2786	FALSE	PRN	1.657320e+04	2.61759619	MFI
2787	FALSE	DT	2.071137e+04	1.63857475	MFI
2788	FALSE	FHA	3.266337e+01	0.14714503	MFI
2789	FALSE	FIM2/3	5.652500e+02	1.06550424	MFI
2790	FALSE	TT	2.107520e+04	1.58711355	MFI
2791	FALSE	PT	3.310000e+02	2.93569845	MFI
2792	FALSE	OVA	1.018150e+04	2.64026163	MFI
2793	FALSE	PRN	1.307895e+04	2.06570920	MFI
2794	FALSE	DT	1.889212e+04	1.49464523	MFI
2795	FALSE	FHA	4.666337e+01	0.21021356	MFI
2796	FALSE	FIM2/3	5.590000e+02	1.05372290	MFI
2797	FALSE	TT	1.953470e+04	1.47110285	MFI
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2799	FALSE	OVA	1.073150e+04	2.78288736	MFI
2800	TRUE	DT	8.680000e+01	0.95594714	MFI
2801	TRUE	FHA	5.716800e+03	1.05077612	MFI
2802	TRUE	OVA	2.490500e+02	0.08228162	MFI
2803	TRUE	PRN	2.149625e+04	1.72754305	MFI
2804	TRUE	PT	1.451680e+04	0.94165267	MFI
2805	TRUE	TT	2.030795e+04	1.22504200	MFI
2806	TRUE	FIM2/3	1.963850e+03	0.69460262	MFI
2807	TRUE	DT	9.080000e+01	1.00000000	MFI
2808	TRUE	FHA	5.671050e+03	1.04236704	MFI
2809	TRUE	OVA	1.000500e+02	0.03305471	MFI
2810	TRUE	PRN	2.107625e+04	1.69378981	MFI
2811	TRUE	PT	1.560880e+04	1.01248678	MFI
2812	TRUE	TT	2.110120e+04	1.27289344	MFI
2813	TRUE	FIM2/3	1.472100e+03	0.52067343	MFI
2814	TRUE	DT	9.530000e+01	1.04955947	MFI
2815	TRUE	FHA	5.801300e+03	1.06630763	MFI
2816	TRUE	OVA	9.580000e+01	0.03165059	MFI
2817	TRUE	PRN	2.196250e+04	1.76501316	MFI
2818	TRUE	PT	1.635080e+04	1.06061766	MFI
2819	TRUE	TT	2.183245e+04	1.31700483	MFI
2820	TRUE	FIM2/3	1.602100e+03	0.56665370	MFI
2821	TRUE	DT	4.340000e+01	0.47797357	MFI
2822	TRUE	FHA	2.998400e+03	0.55112075	MFI
2823	TRUE	OVA	1.066500e+02	0.03523523	MFI

2824	TRUE	PRN	1.042225e+04	0.83758263	MFI
2825	TRUE	PT	7.021900e+03	0.45548543	MFI
2826	TRUE	TT	9.622100e+03	0.58043656	MFI
2827	TRUE	FIM2/3	1.821100e+03	0.64411276	MFI
2828	TRUE	DT	9.030000e+01	0.99449339	MFI
2829	TRUE	FHA	6.555300e+03	1.20489656	MFI
2830	TRUE	OVA	1.628000e+02	0.05378618	MFI
2831	TRUE	PRN	2.267200e+04	1.82203203	MFI
2832	TRUE	PT	1.513705e+04	0.98188606	MFI
2833	TRUE	TT	2.115245e+04	1.27598500	MFI
2834	TRUE	FIM2/3	2.620350e+03	0.92680296	MFI
2835	TRUE	DT	1.328000e+02	1.46255507	MFI
2836	TRUE	FHA	8.461800e+03	1.55532069	MFI
2837	TRUE	OVA	1.785500e+02	0.05898969	MFI
2838	TRUE	PRN	2.503000e+04	2.01153236	MFI
2839	TRUE	PT	2.567130e+04	1.66520501	MFI
2840	TRUE	TT	2.979420e+04	1.79728364	MFI
2841	TRUE	FIM2/3	1.317435e+04	4.65969299	MFI
2842	TRUE	DT	1.139000e+02	1.25440529	MFI
2843	TRUE	FHA	5.919400e+03	1.08801500	MFI
2844	TRUE	OVA	1.249000e+02	0.04126470	MFI
2845	TRUE	PRN	1.397800e+04	1.12333996	MFI
2846	TRUE	PT	1.417690e+04	0.91960457	MFI
2847	TRUE	TT	1.532510e+04	0.92446018	MFI
2848	TRUE	FIM2/3	1.653010e+04	5.84660277	MFI
2849	TRUE	DT	2.065500e+02	2.27477974	MFI
2850	TRUE	FHA	1.309130e+04	2.40624569	MFI
2851	TRUE	OVA	3.600500e+02	0.11895401	MFI
2852	TRUE	PRN	2.700925e+04	2.17059450	MFI
2853	TRUE	PT	2.811755e+04	1.82388446	MFI
2854	TRUE	TT	3.106370e+04	1.87386404	MFI
2855	TRUE	FIM2/3	1.841510e+04	6.51331659	MFI
2856	TRUE	DT	1.838000e+02	2.02422907	MFI
2857	TRUE	FHA	1.207355e+04	2.21917821	MFI
2858	TRUE	OVA	2.103000e+02	0.06947932	MFI
2859	TRUE	PRN	2.545675e+04	2.04582806	MFI
2860	TRUE	PT	2.829555e+04	1.83543068	MFI
2861	TRUE	TT	3.136120e+04	1.89181021	MFI
2862	TRUE	FIM2/3	1.747035e+04	6.17916387	MFI
2863	TRUE	DT	1.473000e+02	1.62224670	MFI
2864	TRUE	FHA	9.303550e+03	1.71003851	MFI
2865	TRUE	OVA	2.905500e+02	0.09599247	MFI
2866	TRUE	PRN	2.304375e+04	1.85190766	MFI

2867	TRUE	PT	2.405380e+04	1.56028360	MFI
2868	TRUE	TT	3.173595e+04	1.91441636	MFI
2869	TRUE	FIM2/3	1.619660e+04	5.72864570	MFI
2870	TRUE	DT	2.323000e+02	2.55837004	MFI
2871	TRUE	FHA	6.037850e+03	1.10978669	MFI
2872	TRUE	OVA	8.423050e+03	2.78282344	MFI
2873	TRUE	PRN	2.026680e+04	1.62873847	MFI
2874	TRUE	PT	2.098215e+04	1.36103669	MFI
2875	TRUE	TT	1.711310e+04	1.03231819	MFI
2876	TRUE	FIM2/3	8.426400e+03	2.98036996	MFI
2877	TRUE	DT	2.178000e+02	2.39867841	MFI
2878	TRUE	FHA	5.902850e+03	1.08497303	MFI
2879	TRUE	OVA	8.146300e+03	2.69139025	MFI
2880	TRUE	PRN	1.834430e+04	1.47423704	MFI
2881	TRUE	PT	2.021065e+04	1.31099226	MFI
2882	TRUE	TT	1.631610e+04	0.98424055	MFI
2883	TRUE	FIM2/3	7.947400e+03	2.81095038	MFI
2884	TRUE	DT	2.588000e+02	2.85022026	MFI
2885	TRUE	FHA	6.281850e+03	1.15463510	MFI
2886	TRUE	OVA	8.830050e+03	2.91728889	MFI
2887	TRUE	PRN	1.966180e+04	1.58011773	MFI
2888	TRUE	PT	2.019440e+04	1.30993818	MFI
2889	TRUE	TT	1.657735e+04	1.00000000	MFI
2890	TRUE	FIM2/3	8.271900e+03	2.92572419	MFI
2891	TRUE	DT	2.245500e+02	2.47301762	MFI
2892	TRUE	FHA	5.843100e+03	1.07399068	MFI
2893	TRUE	OVA	8.202800e+03	2.71005683	MFI
2894	TRUE	PRN	1.820155e+04	1.46276495	MFI
2895	TRUE	PT	1.947465e+04	1.26325059	MFI
2896	TRUE	TT	1.489960e+04	0.89879263	MFI
2897	TRUE	FIM2/3	7.660400e+03	2.70944010	MFI
2898	TRUE	DT	2.023000e+02	2.22797357	MFI
2899	TRUE	FHA	4.995600e+03	0.91821599	MFI
2900	TRUE	OVA	7.677300e+03	2.53644113	MFI
2901	TRUE	PRN	1.734330e+04	1.39379181	MFI
2902	TRUE	PT	2.001815e+04	1.29850548	MFI
2903	TRUE	TT	1.424710e+04	0.85943169	MFI
2904	TRUE	FIM2/3	7.152900e+03	2.52994023	MFI
2905	TRUE	DT	2.358000e+02	2.59691630	MFI
2906	TRUE	FHA	7.088350e+03	1.30287379	MFI
2907	TRUE	OVA	8.401800e+03	2.77580283	MFI
2908	TRUE	PRN	2.245855e+04	1.80487815	MFI
2909	TRUE	PT	2.139940e+04	1.38810220	MFI

2910	TRUE	TT	2.406110e+04	1.45144429	MFI
2911	TRUE	FIM2/3	9.044400e+03	3.19895306	MFI
2912	TRUE	DT	2.633000e+02	2.89977974	MFI
2913	TRUE	FHA	7.968100e+03	1.46457619	MFI
2914	TRUE	OVA	7.946300e+03	2.62531386	MFI
2915	TRUE	PRN	2.490280e+04	2.00130995	MFI
2916	TRUE	PT	2.221290e+04	1.44087103	MFI
2917	TRUE	TT	2.742735e+04	1.65450751	MFI
2918	TRUE	FIM2/3	1.085040e+04	3.83772504	MFI
2919	TRUE	DT	3.138000e+02	3.45594714	MFI
2920	TRUE	FHA	9.275100e+03	1.70480926	MFI
2921	TRUE	OVA	8.871300e+03	2.93091714	MFI
2922	TRUE	PRN	2.590430e+04	2.08179535	MFI
2923	TRUE	PT	2.133640e+04	1.38401562	MFI
2924	TRUE	TT	2.785885e+04	1.68053700	MFI
2925	TRUE	FIM2/3	1.136290e+04	4.01899339	MFI
2926	TRUE	DT	2.308000e+02	2.54185022	MFI
2927	TRUE	FHA	6.260850e+03	1.15077520	MFI
2928	TRUE	OVA	7.233800e+03	2.38991674	MFI
2929	TRUE	PRN	2.089205e+04	1.67898660	MFI
2930	TRUE	PT	2.074865e+04	1.34589039	MFI
2931	TRUE	TT	2.556485e+04	1.54215541	MFI
2932	TRUE	FIM2/3	9.488900e+03	3.35617020	MFI
2933	TRUE	DT	2.253000e+02	2.48127753	MFI
2934	TRUE	FHA	8.083850e+03	1.48585161	MFI
2935	TRUE	OVA	8.098300e+03	2.67553191	MFI
2936	TRUE	PRN	2.247155e+04	1.80592289	MFI
2937	TRUE	PT	2.051690e+04	1.33085760	MFI
2938	TRUE	TT	2.390660e+04	1.44212434	MFI
2939	TRUE	FIM2/3	1.012640e+04	3.58165034	MFI
2940	TRUE	DT	1.118000e+02	1.23127753	MFI
2941	TRUE	FHA	5.593350e+03	1.02808540	MFI
2942	TRUE	OVA	9.495500e+02	0.31371415	MFI
2943	TRUE	PRN	1.168080e+04	0.93872582	MFI
2944	TRUE	PT	1.882440e+04	1.22107120	MFI
2945	TRUE	TT	2.607085e+04	1.57267899	MFI
2946	TRUE	FIM2/3	9.532400e+03	3.37155590	MFI
2947	TRUE	DT	1.118000e+02	1.23127753	MFI
2948	TRUE	FHA	5.962350e+03	1.09590942	MFI
2949	TRUE	OVA	7.973000e+02	0.26341351	MFI
2950	TRUE	PRN	1.216355e+04	0.97752195	MFI
2951	TRUE	PT	1.876390e+04	1.21714679	MFI
2952	TRUE	TT	2.627085e+04	1.58474364	MFI

2953	TRUE	FIM2/3	9.722400e+03	3.43875783	MFI
2954	TRUE	DT	1.098000e+02	1.20925110	MFI
2955	TRUE	FHA	6.444100e+03	1.18445745	MFI
2956	TRUE	OVA	9.573000e+02	0.31627461	MFI
2957	TRUE	PRN	1.283155e+04	1.03120567	MFI
2958	TRUE	PT	1.844140e+04	1.19622737	MFI
2959	TRUE	TT	2.580585e+04	1.55669332	MFI
2960	TRUE	FIM2/3	1.027315e+04	3.63355498	MFI
2961	TRUE	DT	9.705000e+01	1.06883260	MFI
2962	TRUE	FHA	6.032350e+03	1.10877577	MFI
2963	TRUE	OVA	8.888000e+02	0.29364345	MFI
2964	TRUE	PRN	1.277405e+04	1.02658469	MFI
2965	TRUE	PT	1.861765e+04	1.20766007	MFI
2966	TRUE	TT	2.590760e+04	1.56283121	MFI
2967	TRUE	FIM2/3	9.950400e+03	3.51940013	MFI
2968	TRUE	DT	1.273000e+02	1.40198238	MFI
2969	TRUE	FHA	6.867600e+03	1.26229885	MFI
2970	TRUE	OVA	9.235500e+02	0.30512422	MFI
2971	TRUE	PRN	1.387605e+04	1.11514677	MFI
2972	TRUE	PT	2.075965e+04	1.34660392	MFI
2973	TRUE	TT	2.708760e+04	1.63401267	MFI
2974	TRUE	FIM2/3	1.079840e+04	3.81933293	MFI
2975	TRUE	DT	2.558000e+02	2.81718062	MFI
2976	TRUE	FHA	1.002710e+04	1.84303058	MFI
2977	TRUE	OVA	8.163000e+02	0.26969076	MFI
2978	TRUE	PRN	2.498155e+04	2.00763868	MFI
2979	TRUE	PT	2.763290e+04	1.79244696	MFI
2980	TRUE	TT	3.095535e+04	1.86732801	MFI
2981	TRUE	FIM2/3	1.290665e+04	4.56500902	MFI
2982	TRUE	DT	4.330500e+02	4.76927313	MFI
2983	TRUE	FHA	1.630085e+04	2.99617686	MFI
2984	TRUE	OVA	1.174300e+03	0.38796749	MFI
2985	TRUE	PRN	2.938255e+04	2.36132441	MFI
2986	TRUE	PT	2.879040e+04	1.86752982	MFI
2987	TRUE	TT	3.129010e+04	1.88752123	MFI
2988	TRUE	FIM2/3	1.509865e+04	5.34030701	MFI
2989	TRUE	DT	3.670500e+02	4.04240088	MFI
2990	TRUE	FHA	1.541310e+04	2.83300402	MFI
2991	TRUE	OVA	7.093000e+02	0.23433990	MFI
2992	TRUE	PRN	2.809230e+04	2.25763366	MFI
2993	TRUE	PT	2.798640e+04	1.81537723	MFI
2994	TRUE	TT	3.050285e+04	1.84003173	MFI
2995	TRUE	FIM2/3	1.442790e+04	5.10306653	MFI

2996	TRUE	DT	2.943000e+02	3.24118943	MFI
2997	TRUE	FHA	1.428910e+04	2.62640726	MFI
2998	TRUE	OVA	1.049800e+03	0.34683494	MFI
2999	TRUE	PRN	2.659880e+04	2.13760874	MFI
3000	TRUE	PT	2.538615e+04	1.64670835	MFI
3001	TRUE	TT	3.088360e+04	1.86299982	MFI
3002	TRUE	FIM2/3	1.321590e+04	4.67438899	MFI
3003	TRUE	DT	2.190500e+02	2.41244493	MFI
3004	TRUE	FHA	1.194235e+04	2.19506300	MFI
3005	TRUE	OVA	1.508050e+03	0.49823246	MFI
3006	TRUE	PRN	2.406380e+04	1.93388383	MFI
3007	TRUE	PT	2.322065e+04	1.50624015	MFI
3008	TRUE	TT	2.852610e+04	1.72078770	MFI
3009	TRUE	FIM2/3	1.204665e+04	4.26083189	MFI
3010	TRUE	DT	8.930000e+01	0.98348018	MFI
3011	TRUE	FHA	4.089100e+03	0.75159681	MFI
3012	TRUE	OVA	9.031050e+03	2.98369565	MFI
3013	TRUE	PRN	2.305550e+03	0.18528519	MFI
3014	TRUE	PT	1.623515e+04	1.05311586	MFI
3015	TRUE	TT	1.475260e+04	0.88992511	MFI
3016	TRUE	FIM2/3	8.047400e+03	2.84631981	MFI
3017	TRUE	DT	6.780000e+01	0.74669604	MFI
3018	TRUE	FHA	2.882350e+03	0.52979019	MFI
3019	TRUE	OVA	7.684050e+03	2.53867120	MFI
3020	TRUE	PRN	1.608050e+03	0.12923071	MFI
3021	TRUE	PT	1.500065e+04	0.97303828	MFI
3022	TRUE	TT	1.260335e+04	0.76027532	MFI
3023	TRUE	FIM2/3	6.147650e+03	2.17438899	MFI
3024	TRUE	DT	6.730000e+01	0.74118943	MFI
3025	TRUE	FHA	3.384850e+03	0.62215217	MFI
3026	TRUE	OVA	7.680300e+03	2.53743227	MFI
3027	TRUE	PRN	1.840800e+03	0.14793563	MFI
3028	TRUE	PT	1.491915e+04	0.96775167	MFI
3029	TRUE	TT	1.306860e+04	0.78834072	MFI
3030	TRUE	FIM2/3	6.829650e+03	2.41560853	MFI
3031	TRUE	DT	5.580000e+01	0.61453744	MFI
3032	TRUE	FHA	3.512100e+03	0.64554135	MFI
3033	TRUE	OVA	7.579050e+03	2.50398110	MFI
3034	TRUE	PRN	2.566800e+03	0.20628051	MFI
3035	TRUE	PT	1.536390e+04	0.99660100	MFI
3036	TRUE	TT	1.448285e+04	0.87365291	MFI
3037	TRUE	FIM2/3	6.998400e+03	2.47529445	MFI
3038	TRUE	DT	1.293000e+02	1.42400881	MFI

3039	TRUE	FHA	7.600100e+03	1.39693597	MFI
3040	TRUE	OVA	7.885550e+03	2.60524316	MFI
3041	TRUE	PRN	1.729930e+04	1.39025576	MFI
3042	TRUE	PT	2.161740e+04	1.40224308	MFI
3043	TRUE	TT	2.804710e+04	1.69189285	MFI
3044	TRUE	FIM2/3	1.427290e+04	5.04824391	MFI
3045	TRUE	DT	8.480000e+01	0.93392070	MFI
3046	TRUE	FHA	5.658100e+03	1.03998677	MFI
3047	TRUE	OVA	7.465550e+03	2.46648275	MFI
3048	TRUE	PRN	9.975800e+03	0.80170373	MFI
3049	TRUE	PT	1.641665e+04	1.06488911	MFI
3050	TRUE	TT	2.340860e+04	1.41208335	MFI
3051	TRUE	FIM2/3	8.811400e+03	3.11654228	MFI
3052	TRUE	DT	2.693000e+02	2.96585903	MFI
3053	TRUE	FHA	1.590585e+04	2.92357390	MFI
3054	TRUE	OVA	7.937050e+03	2.62225783	MFI
3055	TRUE	PRN	2.585855e+04	2.07811866	MFI
3056	TRUE	PT	2.475565e+04	1.60581008	MFI
3057	TRUE	TT	3.075910e+04	1.85548957	MFI
3058	TRUE	FIM2/3	1.749765e+04	6.18881972	MFI
3059	TRUE	DT	2.583000e+02	2.84471366	MFI
3060	TRUE	FHA	1.404510e+04	2.58155885	MFI
3061	TRUE	OVA	8.075300e+03	2.66793313	MFI
3062	TRUE	PRN	2.378655e+04	1.91160268	MFI
3063	TRUE	PT	2.549240e+04	1.65360041	MFI
3064	TRUE	TT	3.028510e+04	1.82689634	MFI
3065	TRUE	FIM2/3	1.615990e+04	5.71566512	MFI
3066	TRUE	DT	1.920500e+02	2.11508811	MFI
3067	TRUE	FHA	1.191760e+04	2.19051383	MFI
3068	TRUE	OVA	7.940800e+03	2.62349676	MFI
3069	TRUE	PRN	1.799180e+04	1.44590842	MFI
3070	TRUE	PT	2.267640e+04	1.47093661	MFI
3071	TRUE	TT	2.934385e+04	1.77011706	MFI
3072	TRUE	FIM2/3	1.307815e+04	4.62566760	MFI
3073	TRUE	DT	1.538000e+02	1.69383260	MFI
3074	TRUE	FHA	9.391350e+03	1.72617658	MFI
3075	TRUE	OVA	6.573550e+03	2.17178208	MFI
3076	TRUE	PRN	1.478355e+04	1.18807787	MFI
3077	TRUE	PT	1.927990e+04	1.25061785	MFI
3078	TRUE	TT	2.730010e+04	1.64683137	MFI
3079	TRUE	FIM2/3	1.082240e+04	3.82782160	MFI
3080	TRUE	DT	6.000000e+01	0.66079295	MFI
3081	TRUE	FHA	4.274550e+03	0.78568343	MFI

3082	TRUE	OVA	5.947500e+03	1.96494648	MFI
3083	TRUE	PRN	1.368425e+04	1.09973279	MFI
3084	TRUE	PT	2.537530e+04	1.64600455	MFI
3085	TRUE	TT	1.628530e+04	0.98238259	MFI
3086	TRUE	FIM2/3	4.723000e+02	0.16704984	MFI
3087	TRUE	DT	6.500000e+01	0.71585903	MFI
3088	TRUE	FHA	3.819300e+03	0.70200623	MFI
3089	TRUE	OVA	5.161000e+03	1.70510110	MFI
3090	TRUE	PRN	1.261775e+04	1.01402367	MFI
3091	TRUE	PT	2.505980e+04	1.62553920	MFI
3092	TRUE	TT	1.572880e+04	0.94881269	MFI
3093	TRUE	FIM2/3	3.338000e+02	0.11806317	MFI
3094	TRUE	DT	6.825000e+01	0.75165198	MFI
3095	TRUE	FHA	3.829800e+03	0.70393618	MFI
3096	TRUE	OVA	5.338750e+03	1.76382648	MFI
3097	TRUE	PRN	1.311750e+04	1.05418600	MFI
3098	TRUE	PT	2.546130e+04	1.65158306	MFI
3099	TRUE	TT	1.615705e+04	0.97464613	MFI
3100	TRUE	FIM2/3	3.223000e+02	0.11399568	MFI
3101	TRUE	DT	6.750000e+01	0.74339207	MFI
3102	TRUE	FHA	4.135300e+03	0.76008859	MFI
3103	TRUE	OVA	5.666750e+03	1.87219175	MFI
3104	TRUE	PRN	1.368475e+04	1.09977297	MFI
3105	TRUE	PT	2.530605e+04	1.64151255	MFI
3106	TRUE	TT	1.671830e+04	1.00850257	MFI
3107	TRUE	FIM2/3	3.873000e+02	0.13698582	MFI
3108	TRUE	DT	6.650000e+01	0.73237885	MFI
3109	TRUE	FHA	3.710050e+03	0.68192554	MFI
3110	TRUE	OVA	4.976500e+03	1.64414563	MFI
3111	TRUE	PRN	1.234625e+04	0.99220461	MFI
3112	TRUE	PT	2.461455e+04	1.59665743	MFI
3113	TRUE	TT	1.541255e+04	0.92973545	MFI
3114	TRUE	FIM2/3	3.678000e+02	0.13008878	MFI
3115	TRUE	DT	1.327500e+02	1.46200441	MFI
3116	TRUE	FHA	8.109800e+03	1.49062135	MFI
3117	TRUE	OVA	5.296500e+03	1.74986785	MFI
3118	TRUE	PRN	2.517575e+04	2.02324553	MFI
3119	TRUE	PT	2.669430e+04	1.73156335	MFI
3120	TRUE	TT	2.643905e+04	1.59489002	MFI
3121	TRUE	FIM2/3	6.734300e+03	2.38188378	MFI
3122	TRUE	DT	2.475000e+02	2.72577093	MFI
3123	TRUE	FHA	1.303655e+04	2.39618237	MFI
3124	TRUE	OVA	5.764000e+03	1.90432140	MFI

3125	TRUE	PRN	2.884775e+04	2.31834529	MFI
3126	TRUE	PT	2.769855e+04	1.79670544	MFI
3127	TRUE	TT	2.739030e+04	1.65227253	MFI
3128	TRUE	FIM2/3	1.253955e+04	4.43516783	MFI
3129	TRUE	DT	2.125000e+02	2.34030837	MFI
3130	TRUE	FHA	1.199780e+04	2.20525498	MFI
3131	TRUE	OVA	5.798500e+03	1.91571957	MFI
3132	TRUE	PRN	2.823425e+04	2.26904145	MFI
3133	TRUE	PT	2.675580e+04	1.73555263	MFI
3134	TRUE	TT	2.696230e+04	1.62645417	MFI
3135	TRUE	FIM2/3	1.190230e+04	4.20977611	MFI
3136	TRUE	DT	1.817500e+02	2.00165198	MFI
3137	TRUE	FHA	9.954800e+03	1.82974148	MFI
3138	TRUE	OVA	5.997000e+03	1.98130038	MFI
3139	TRUE	PRN	2.805200e+04	2.25439495	MFI
3140	TRUE	PT	2.648580e+04	1.71803870	MFI
3141	TRUE	TT	2.684455e+04	1.61935110	MFI
3142	TRUE	FIM2/3	1.054330e+04	3.72910551	MFI
3143	TRUE	DT	1.322500e+02	1.45649780	MFI
3144	TRUE	FHA	8.108300e+03	1.49034565	MFI
3145	TRUE	OVA	6.056500e+03	2.00095811	MFI
3146	TRUE	PRN	2.667725e+04	2.14391337	MFI
3147	TRUE	PT	2.509055e+04	1.62753384	MFI
3148	TRUE	TT	2.557505e+04	1.54277071	MFI
3149	TRUE	FIM2/3	8.713050e+03	3.08175645	MFI
3150	TRUE	DT	1.950000e+02	2.14757709	MFI
3151	TRUE	FHA	9.679800e+03	1.77919512	MFI
3152	TRUE	OVA	1.337000e+03	0.44172063	MFI
3153	TRUE	PRN	2.316325e+04	1.86151126	MFI
3154	TRUE	PT	2.680430e+04	1.73869865	MFI
3155	TRUE	TT	2.362180e+04	1.42494428	MFI
3156	TRUE	FIM2/3	1.476800e+03	0.52233580	MFI
3157	TRUE	DT	1.885000e+02	2.07599119	MFI
3158	TRUE	FHA	9.167550e+03	1.68504103	MFI
3159	TRUE	OVA	1.148000e+03	0.37927845	MFI
3160	TRUE	PRN	2.238225e+04	1.79874631	MFI
3161	TRUE	PT	2.577555e+04	1.67196733	MFI
3162	TRUE	TT	2.286380e+04	1.37921924	MFI
3163	TRUE	FIM2/3	1.388300e+03	0.49103385	MFI
3164	TRUE	DT	2.030000e+02	2.23568282	MFI
3165	TRUE	FHA	9.320800e+03	1.71320914	MFI
3166	TRUE	OVA	1.229250e+03	0.40612198	MFI
3167	TRUE	PRN	2.293750e+04	1.84336889	MFI

3168	TRUE	PT	2.676155e+04	1.73592561	MFI
3169	TRUE	TT	2.358355e+04	1.42263691	MFI
3170	TRUE	FIM2/3	1.412300e+03	0.49952251	MFI
3171	TRUE	DT	1.865000e+02	2.05396476	MFI
3172	TRUE	FHA	8.935050e+03	1.64230638	MFI
3173	TRUE	OVA	1.138250e+03	0.37605722	MFI
3174	TRUE	PRN	2.227125e+04	1.78982581	MFI
3175	TRUE	PT	2.640780e+04	1.71297912	MFI
3176	TRUE	TT	2.313155e+04	1.39537079	MFI
3177	TRUE	FIM2/3	1.366550e+03	0.48334100	MFI
3178	TRUE	DT	1.745000e+02	1.92180617	MFI
3179	TRUE	FHA	9.535300e+03	1.75263530	MFI
3180	TRUE	OVA	1.030250e+03	0.34037597	MFI
3181	TRUE	PRN	2.177500e+04	1.74994475	MFI
3182	TRUE	PT	2.533605e+04	1.64345855	MFI
3183	TRUE	TT	2.208980e+04	1.33252902	MFI
3184	TRUE	FIM2/3	1.369800e+03	0.48449050	MFI
3185	TRUE	DT	2.867500e+02	3.15803965	MFI
3186	TRUE	FHA	1.297805e+04	2.38542978	MFI
3187	TRUE	OVA	1.308000e+03	0.43213955	MFI
3188	TRUE	PRN	2.722650e+04	2.18805376	MFI
3189	TRUE	PT	2.744980e+04	1.78056992	MFI
3190	TRUE	TT	2.639380e+04	1.59216039	MFI
3191	TRUE	FIM2/3	1.839230e+04	6.50525236	MFI
3192	TRUE	DT	3.912500e+02	4.30892070	MFI
3193	TRUE	FHA	1.638655e+04	3.01192894	MFI
3194	TRUE	OVA	1.358500e+03	0.44882384	MFI
3195	TRUE	PRN	2.919050e+04	2.34589034	MFI
3196	TRUE	PT	2.821530e+04	1.83022515	MFI
3197	TRUE	TT	2.755255e+04	1.66205998	MFI
3198	TRUE	FIM2/3	2.361780e+04	8.35348212	MFI
3199	TRUE	DT	3.637500e+02	4.00605727	MFI
3200	TRUE	FHA	1.582305e+04	2.90835485	MFI
3201	TRUE	OVA	1.557750e+03	0.51465244	MFI
3202	TRUE	PRN	2.941075e+04	2.36359070	MFI
3203	TRUE	PT	2.775955e+04	1.80066229	MFI
3204	TRUE	TT	2.695755e+04	1.62616763	MFI
3205	TRUE	FIM2/3	2.197380e+04	7.77200863	MFI
3206	TRUE	DT	3.055000e+02	3.36453744	MFI
3207	TRUE	FHA	1.364880e+04	2.50871695	MFI
3208	TRUE	OVA	2.573250e+03	0.85015528	MFI
3209	TRUE	PRN	2.913925e+04	2.34177164	MFI
3210	TRUE	PT	2.763880e+04	1.79282967	MFI

3211	TRUE	TT	2.642755e+04	1.59419630	MFI
3212	TRUE	FIM2/3	1.879205e+04	6.64664167	MFI
3213	TRUE	DT	2.405000e+02	2.64867841	MFI
3214	TRUE	FHA	1.221455e+04	2.24509471	MFI
3215	TRUE	OVA	3.353500e+03	1.10793577	MFI
3216	TRUE	PRN	2.834200e+04	2.27770076	MFI
3217	TRUE	PT	2.734530e+04	1.77379138	MFI
3218	TRUE	TT	2.561005e+04	1.54488202	MFI
3219	TRUE	FIM2/3	1.565080e+04	5.53559934	MFI
3220	TRUE	DT	9.030000e+01	0.99449339	MFI
3221	TRUE	FHA	5.186100e+03	0.95323083	MFI
3222	TRUE	OVA	3.218000e+02	0.10631690	MFI
3223	TRUE	PRN	4.162800e+03	0.33454282	MFI
3224	TRUE	PT	9.226150e+03	0.59846721	MFI
3225	TRUE	TT	1.444410e+04	0.87131538	MFI
3226	TRUE	FIM2/3	7.881500e+02	0.27876419	MFI
3227	TRUE	DT	8.580000e+01	0.94493392	MFI
3228	TRUE	FHA	4.939100e+03	0.90783101	MFI
3229	TRUE	OVA	5.470500e+02	0.18073543	MFI
3230	TRUE	PRN	4.838050e+03	0.38880919	MFI
3231	TRUE	PT	9.872650e+03	0.64040334	MFI
3232	TRUE	TT	1.547485e+04	0.93349359	MFI
3233	TRUE	FIM2/3	9.301500e+02	0.32898879	MFI
3234	TRUE	DT	9.130000e+01	1.00550661	MFI
3235	TRUE	FHA	5.226100e+03	0.96058303	MFI
3236	TRUE	OVA	2.370500e+02	0.07831703	MFI
3237	TRUE	PRN	5.930300e+03	0.47658771	MFI
3238	TRUE	PT	1.085815e+04	0.70432918	MFI
3239	TRUE	TT	1.637935e+04	0.98805599	MFI
3240	TRUE	FIM2/3	8.744000e+02	0.30927033	MFI
3241	TRUE	DT	6.830000e+01	0.75220264	MFI
3242	TRUE	FHA	5.001850e+03	0.91936477	MFI
3243	TRUE	OVA	9.850500e+02	0.32544271	MFI
3244	TRUE	PRN	6.249050e+03	0.50220401	MFI
3245	TRUE	PT	1.223990e+04	0.79395834	MFI
3246	TRUE	TT	1.661760e+04	1.00242801	MFI
3247	TRUE	FIM2/3	2.383400e+03	0.84299508	MFI
3248	TRUE	DT	7.180000e+01	0.79074890	MFI
3249	TRUE	FHA	4.651600e+03	0.85498709	MFI
3250	TRUE	OVA	1.600500e+02	0.05287763	MFI
3251	TRUE	PRN	6.665050e+03	0.53563579	MFI
3252	TRUE	PT	1.077790e+04	0.69912365	MFI
3253	TRUE	TT	1.688560e+04	1.01859465	MFI

3254	TRUE	FIM2/3	1.767150e+03	0.62503095	MFI
3255	TRUE	DT	1.030500e+02	1.13491189	MFI
3256	TRUE	FHA	6.889350e+03	1.26629661	MFI
3257	TRUE	OVA	4.010500e+02	0.13249967	MFI
3258	TRUE	PRN	2.516355e+04	2.02226508	MFI
3259	TRUE	PT	1.996990e+04	1.29537567	MFI
3260	TRUE	TT	2.921610e+04	1.76241076	MFI
3261	TRUE	FIM2/3	7.557400e+03	2.67300959	MFI
3262	TRUE	DT	1.673000e+02	1.84251101	MFI
3263	TRUE	FHA	9.422100e+03	1.73182858	MFI
3264	TRUE	OVA	2.998000e+02	0.09904850	MFI
3265	TRUE	PRN	3.002580e+04	2.41301911	MFI
3266	TRUE	PT	2.234190e+04	1.44923879	MFI
3267	TRUE	TT	3.030060e+04	1.82783135	MFI
3268	TRUE	FIM2/3	9.951150e+03	3.51966541	MFI
3269	TRUE	DT	1.498000e+02	1.64977974	MFI
3270	TRUE	FHA	8.438100e+03	1.55096452	MFI
3271	TRUE	OVA	4.578000e+02	0.15124884	MFI
3272	TRUE	PRN	2.866655e+04	2.30378318	MFI
3273	TRUE	PT	1.924890e+04	1.24860699	MFI
3274	TRUE	TT	2.985885e+04	1.80118354	MFI
3275	TRUE	FIM2/3	8.176400e+03	2.89194638	MFI
3276	TRUE	DT	1.433000e+02	1.57819383	MFI
3277	TRUE	FHA	8.532850e+03	1.56838004	MFI
3278	TRUE	OVA	7.030500e+02	0.23227501	MFI
3279	TRUE	PRN	2.728130e+04	2.19245776	MFI
3280	TRUE	PT	1.744815e+04	1.13179881	MFI
3281	TRUE	TT	2.846135e+04	1.71688177	MFI
3282	TRUE	FIM2/3	7.953400e+03	2.81307254	MFI
3283	TRUE	DT	1.158000e+02	1.27533040	MFI
3284	TRUE	FHA	6.915850e+03	1.27116744	MFI
3285	TRUE	OVA	4.135500e+02	0.13662944	MFI
3286	TRUE	PRN	2.586705e+04	2.07880176	MFI
3287	TRUE	PT	1.472340e+04	0.95505407	MFI
3288	TRUE	TT	2.710910e+04	1.63530962	MFI
3289	TRUE	FIM2/3	6.031400e+03	2.13327203	MFI
3290	TRUE	DT	6.505000e+01	0.71640969	MFI
3291	TRUE	FHA	3.418300e+03	0.62830045	MFI
3292	TRUE	OVA	3.800050e+03	1.25546782	MFI
3293	TRUE	PRN	2.151100e+04	1.72872843	MFI
3294	TRUE	PT	8.262550e+03	0.53596194	MFI
3295	TRUE	TT	1.689745e+04	1.01930948	MFI
3296	TRUE	FIM2/3	6.102850e+03	2.15854349	MFI

3297	TRUE	DT	7.280000e+01	0.80176211	MFI
3298	TRUE	FHA	4.298550e+03	0.79009475	MFI
3299	TRUE	OVA	5.437300e+03	1.79638562	MFI
3300	TRUE	PRN	2.394100e+04	1.92401503	MFI
3301	TRUE	PT	8.975050e+03	0.58217925	MFI
3302	TRUE	TT	1.809170e+04	1.09135055	MFI
3303	TRUE	FIM2/3	7.045350e+03	2.49190040	MFI
3304	TRUE	DT	6.930000e+01	0.76321586	MFI
3305	TRUE	FHA	3.863800e+03	0.71018555	MFI
3306	TRUE	OVA	5.061550e+03	1.67224461	MFI
3307	TRUE	PRN	2.222150e+04	1.78582766	MFI
3308	TRUE	PT	8.036300e+03	0.52128591	MFI
3309	TRUE	TT	1.669320e+04	1.00698845	MFI
3310	TRUE	FIM2/3	6.249600e+03	2.21044813	MFI
3311	TRUE	DT	6.980000e+01	0.76872247	MFI
3312	TRUE	FHA	3.923550e+03	0.72116790	MFI
3313	TRUE	OVA	5.139800e+03	1.69809700	MFI
3314	TRUE	PRN	2.201650e+04	1.76935286	MFI
3315	TRUE	PT	8.368550e+03	0.54283778	MFI
3316	TRUE	TT	1.703770e+04	1.02776982	MFI
3317	TRUE	FIM2/3	6.497600e+03	2.29816433	MFI
3318	TRUE	DT	7.680000e+01	0.84581498	MFI
3319	TRUE	FHA	3.972550e+03	0.73017434	MFI
3320	TRUE	OVA	5.032300e+03	1.66258094	MFI
3321	TRUE	PRN	2.208350e+04	1.77473731	MFI
3322	TRUE	PT	7.948050e+03	0.51556145	MFI
3323	TRUE	TT	1.722170e+04	1.03886930	MFI
3324	TRUE	FIM2/3	6.411600e+03	2.26774661	MFI
3325	TRUE	DT	1.663000e+02	1.83149780	MFI
3326	TRUE	FHA	8.112800e+03	1.49117277	MFI
3327	TRUE	OVA	5.278800e+03	1.74402009	MFI
3328	TRUE	PRN	2.573375e+04	2.06808912	MFI
3329	TRUE	PT	1.565105e+04	1.01522739	MFI
3330	TRUE	TT	2.764945e+04	1.66790530	MFI
3331	TRUE	FIM2/3	1.328860e+04	4.70010257	MFI
3332	TRUE	DT	2.783000e+02	3.06497797	MFI
3333	TRUE	FHA	1.510030e+04	2.77550983	MFI
3334	TRUE	OVA	5.866800e+03	1.93828466	MFI
3335	TRUE	PRN	2.977550e+04	2.39290378	MFI
3336	TRUE	PT	2.218880e+04	1.43930775	MFI
3337	TRUE	TT	3.174270e+04	1.91482354	MFI
3338	TRUE	FIM2/3	1.677510e+04	5.93325788	MFI
3339	TRUE	DT	2.415500e+02	2.66024229	MFI

3340	TRUE	FHA	1.281430e+04	2.35533172	MFI
3341	TRUE	OVA	5.856550e+03	1.93489824	MFI
3342	TRUE	PRN	2.889450e+04	2.32210234	MFI
3343	TRUE	PT	2.050280e+04	1.32994298	MFI
3344	TRUE	TT	3.069870e+04	1.85184604	MFI
3345	TRUE	FIM2/3	1.459960e+04	5.16379585	MFI
3346	TRUE	DT	1.843000e+02	2.02973568	MFI
3347	TRUE	FHA	1.088030e+04	1.99985296	MFI
3348	TRUE	OVA	4.842050e+03	1.59972578	MFI
3349	TRUE	PRN	2.716550e+04	2.18315151	MFI
3350	TRUE	PT	1.715980e+04	1.11309458	MFI
3351	TRUE	TT	2.921970e+04	1.76262792	MFI
3352	TRUE	FIM2/3	1.213935e+04	4.29361935	MFI
3353	TRUE	DT	7.450000e+01	0.82048458	MFI
3354	TRUE	FHA	3.792800e+03	0.69713540	MFI
3355	TRUE	OVA	1.895000e+02	0.06260737	MFI
3356	TRUE	PRN	1.176725e+04	0.94567336	MFI
3357	TRUE	PT	9.917050e+03	0.64328341	MFI
3358	TRUE	TT	1.207180e+04	0.72821048	MFI
3359	TRUE	FIM2/3	6.592550e+03	2.33174760	MFI
3360	TRUE	DT	1.000000e+02	1.10132159	MFI
3361	TRUE	FHA	4.646550e+03	0.85405887	MFI
3362	TRUE	OVA	2.220000e+02	0.07334479	MFI
3363	TRUE	PRN	1.607825e+04	1.29212625	MFI
3364	TRUE	PT	1.367030e+04	0.88674325	MFI
3365	TRUE	TT	1.662730e+04	1.00301315	MFI
3366	TRUE	FIM2/3	8.855300e+03	3.13206947	MFI
3367	TRUE	DT	1.025000e+02	1.12885463	MFI
3368	TRUE	FHA	4.978300e+03	0.91503616	MFI
3369	TRUE	OVA	2.047500e+02	0.06764570	MFI
3370	TRUE	PRN	1.688550e+04	1.35700078	MFI
3371	TRUE	PT	1.395080e+04	0.90493828	MFI
3372	TRUE	TT	1.721630e+04	1.03854355	MFI
3373	TRUE	FIM2/3	9.765300e+03	3.45393131	MFI
3374	TRUE	DT	1.352500e+02	1.48953744	MFI
3375	TRUE	FHA	6.365800e+03	1.17006553	MFI
3376	TRUE	OVA	2.895000e+02	0.09564557	MFI
3377	TRUE	PRN	2.045600e+04	1.64394350	MFI
3378	TRUE	PT	1.589905e+04	1.03131426	MFI
3379	TRUE	TT	2.026430e+04	1.22240889	MFI
3380	TRUE	FIM2/3	1.211655e+04	4.28555512	MFI
3381	TRUE	DT	1.265000e+02	1.39317181	MFI
3382	TRUE	FHA	5.791800e+03	1.06456149	MFI

3383	TRUE	OVA	2.467500e+02	0.08152174	MFI
3384	TRUE	PRN	1.908500e+04	1.53376329	MFI
3385	TRUE	PT	1.520230e+04	0.98611859	MFI
3386	TRUE	TT	1.923930e+04	1.16057754	MFI
3387	TRUE	FIM2/3	1.117330e+04	3.95193294	MFI
3388	TRUE	DT	3.015000e+02	3.32048458	MFI
3389	TRUE	FHA	1.391305e+04	2.55728741	MFI
3390	TRUE	OVA	3.177500e+02	0.10497886	MFI
3391	TRUE	PRN	2.770500e+04	2.22650835	MFI
3392	TRUE	PT	2.126680e+04	1.37950092	MFI
3393	TRUE	TT	2.717630e+04	1.63936335	MFI
3394	TRUE	FIM2/3	1.438705e+04	5.08861812	MFI
3395	TRUE	DT	3.645000e+02	4.01431718	MFI
3396	TRUE	FHA	1.678755e+04	3.08563472	MFI
3397	TRUE	OVA	3.040000e+02	0.10043610	MFI
3398	TRUE	PRN	2.920200e+04	2.34681454	MFI
3399	TRUE	PT	2.138080e+04	1.38689569	MFI
3400	TRUE	TT	2.758380e+04	1.66394508	MFI
3401	TRUE	FIM2/3	1.513355e+04	5.35265094	MFI
3402	TRUE	DT	3.142500e+02	3.46090308	MFI
3403	TRUE	FHA	1.546005e+04	2.84163366	MFI
3404	TRUE	OVA	3.415000e+02	0.11282543	MFI
3405	TRUE	PRN	2.872000e+04	2.30807868	MFI
3406	TRUE	PT	1.880680e+04	1.21992956	MFI
3407	TRUE	TT	2.702705e+04	1.63036010	MFI
3408	TRUE	FIM2/3	1.366430e+04	4.83298553	MFI
3409	TRUE	DT	2.515000e+02	2.76982379	MFI
3410	TRUE	FHA	1.302555e+04	2.39416052	MFI
3411	TRUE	OVA	3.462500e+02	0.11439474	MFI
3412	TRUE	PRN	2.804500e+04	2.25383240	MFI
3413	TRUE	PT	1.820080e+04	1.18062051	MFI
3414	TRUE	TT	2.644255e+04	1.59510115	MFI
3415	TRUE	FIM2/3	1.322855e+04	4.67886323	MFI
3416	TRUE	DT	1.890000e+02	2.08149780	MFI
3417	TRUE	FHA	9.663800e+03	1.77625424	MFI
3418	TRUE	OVA	2.810000e+02	0.09283732	MFI
3419	TRUE	PRN	2.513350e+04	2.01985012	MFI
3420	TRUE	PT	1.615230e+04	1.04774168	MFI
3421	TRUE	TT	2.369780e+04	1.42952885	MFI
3422	TRUE	FIM2/3	1.152780e+04	4.07731758	MFI
3423	TRUE	DT	6.500000e+01	0.71585903	MFI
3424	TRUE	FHA	2.141550e+03	0.39362748	MFI
3425	TRUE	OVA	4.170000e+03	1.37769261	MFI

3426	TRUE	PRN	1.213800e+04	0.97546863	MFI
3427	TRUE	PT	7.897800e+03	0.51230191	MFI
3428	TRUE	TT	1.673605e+04	1.00957330	MFI
3429	TRUE	FIM2/3	4.347550e+03	1.53770382	MFI
3430	TRUE	DT	6.400000e+01	0.70484581	MFI
3431	TRUE	FHA	2.258550e+03	0.41513266	MFI
3432	TRUE	OVA	4.524250e+03	1.49473041	MFI
3433	TRUE	PRN	1.274850e+04	1.02453137	MFI
3434	TRUE	PT	8.406050e+03	0.54527027	MFI
3435	TRUE	TT	1.752730e+04	1.05730409	MFI
3436	TRUE	FIM2/3	4.611550e+03	1.63107912	MFI
3437	TRUE	DT	6.550000e+01	0.72136564	MFI
3438	TRUE	FHA	2.611550e+03	0.48001581	MFI
3439	TRUE	OVA	5.226000e+03	1.72657592	MFI
3440	TRUE	PRN	1.483525e+04	1.19223274	MFI
3441	TRUE	PT	9.634050e+03	0.62492621	MFI
3442	TRUE	TT	1.938555e+04	1.16939981	MFI
3443	TRUE	FIM2/3	5.661550e+03	2.00245818	MFI
3444	TRUE	DT	7.600000e+01	0.83700441	MFI
3445	TRUE	FHA	2.423300e+03	0.44541453	MFI
3446	TRUE	OVA	4.714500e+03	1.55758557	MFI
3447	TRUE	PRN	1.299250e+04	1.04414040	MFI
3448	TRUE	PT	8.349300e+03	0.54158910	MFI
3449	TRUE	TT	1.733530e+04	1.04572202	MFI
3450	TRUE	FIM2/3	4.750800e+03	1.68033106	MFI
3451	TRUE	DT	1.317500e+02	1.45099119	MFI
3452	TRUE	FHA	4.370300e+03	0.80328276	MFI
3453	TRUE	OVA	5.116500e+03	1.69039910	MFI
3454	TRUE	PRN	2.028650e+04	1.63032166	MFI
3455	TRUE	PT	1.661830e+04	1.07796942	MFI
3456	TRUE	TT	2.413305e+04	1.45578455	MFI
3457	TRUE	FIM2/3	1.161555e+04	4.10835426	MFI
3458	TRUE	DT	2.182500e+02	2.40363436	MFI
3459	TRUE	FHA	9.260800e+03	1.70218085	MFI
3460	TRUE	OVA	4.822000e+03	1.59310163	MFI
3461	TRUE	PRN	2.605550e+04	2.09394652	MFI
3462	TRUE	PT	2.320330e+04	1.50511472	MFI
3463	TRUE	TT	2.662530e+04	1.60612523	MFI
3464	TRUE	FIM2/3	1.747080e+04	6.17932303	MFI
3465	TRUE	DT	1.807500e+02	1.99063877	MFI
3466	TRUE	FHA	8.257050e+03	1.51768663	MFI
3467	TRUE	OVA	5.203500e+03	1.71914233	MFI
3468	TRUE	PRN	2.547875e+04	2.04759609	MFI

3469	TRUE	PT	2.160455e+04	1.40140955	MFI
3470	TRUE	TT	2.652330e+04	1.59997225	MFI
3471	TRUE	FIM2/3	1.586405e+04	5.61102465	MFI
3472	TRUE	DT	1.595000e+02	1.75660793	MFI
3473	TRUE	FHA	6.544300e+03	1.20287471	MFI
3474	TRUE	OVA	4.937500e+03	1.63126074	MFI
3475	TRUE	PRN	2.377500e+04	1.91067446	MFI
3476	TRUE	PT	1.991730e+04	1.29196370	MFI
3477	TRUE	TT	2.609280e+04	1.57400308	MFI
3478	TRUE	FIM2/3	1.380430e+04	4.88250274	MFI
3479	TRUE	DT	1.430000e+02	1.57488987	MFI
3480	TRUE	FHA	5.727050e+03	1.05266012	MFI
3481	TRUE	OVA	5.493750e+03	1.81503568	MFI
3482	TRUE	PRN	2.085400e+04	1.67592872	MFI
3483	TRUE	PT	1.607405e+04	1.04266588	MFI
3484	TRUE	TT	2.428830e+04	1.46514974	MFI
3485	TRUE	FIM2/3	1.129630e+04	3.99543734	MFI
3486	TRUE	DT	5.380000e+01	0.59251101	MFI
3487	TRUE	FHA	2.787050e+03	0.51227358	MFI
3488	TRUE	OVA	4.048550e+03	1.33756773	MFI
3489	TRUE	PRN	7.578350e+03	0.60903301	MFI
3490	TRUE	PT	2.177050e+03	0.14121741	MFI
3491	TRUE	TT	9.913650e+03	0.59802381	MFI
3492	TRUE	FIM2/3	1.542800e+03	0.54567962	MFI
3493	TRUE	DT	4.930000e+01	0.54295154	MFI
3494	TRUE	FHA	2.465300e+03	0.45313433	MFI
3495	TRUE	OVA	3.992800e+03	1.31914894	MFI
3496	TRUE	PRN	6.259350e+03	0.50303176	MFI
3497	TRUE	PT	2.207300e+03	0.14317962	MFI
3498	TRUE	TT	9.554150e+03	0.57633759	MFI
3499	TRUE	FIM2/3	1.445050e+03	0.51110600	MFI
3500	TRUE	DT	4.230000e+01	0.46585903	MFI
3501	TRUE	FHA	2.040550e+03	0.37506318	MFI
3502	TRUE	OVA	3.442050e+03	1.13719109	MFI
3503	TRUE	PRN	5.174100e+03	0.41581580	MFI
3504	TRUE	PT	1.832800e+03	0.11888715	MFI
3505	TRUE	TT	8.324650e+03	0.50217013	MFI
3506	TRUE	FIM2/3	1.235800e+03	0.43709546	MFI
3507	TRUE	DT	4.530000e+01	0.49889868	MFI
3508	TRUE	FHA	2.362300e+03	0.43420242	MFI
3509	TRUE	OVA	3.769800e+03	1.24547377	MFI
3510	TRUE	PRN	6.028100e+03	0.48444739	MFI
3511	TRUE	PT	2.022800e+03	0.13121177	MFI

3512	TRUE	TT	9.157150e+03	0.55238925	MFI
3513	TRUE	FIM2/3	1.391300e+03	0.49209493	MFI
3514	TRUE	DT	1.343000e+02	1.47907489	MFI
3515	TRUE	FHA	8.670800e+03	1.59373593	MFI
3516	TRUE	OVA	3.620800e+03	1.19624686	MFI
3517	TRUE	PRN	1.425535e+04	1.14562916	MFI
3518	TRUE	PT	8.601050e+03	0.55791922	MFI
3519	TRUE	TT	1.081890e+04	0.65263145	MFI
3520	TRUE	FIM2/3	2.351300e+03	0.83164150	MFI
3521	TRUE	DT	2.645500e+02	2.91354626	MFI
3522	TRUE	FHA	1.295630e+04	2.38143202	MFI
3523	TRUE	OVA	4.475800e+03	1.47872340	MFI
3524	TRUE	PRN	2.580385e+04	2.07372270	MFI
3525	TRUE	PT	2.292705e+04	1.48719537	MFI
3526	TRUE	TT	2.414240e+04	1.45634857	MFI
3527	TRUE	FIM2/3	9.324050e+03	3.29786369	MFI
3528	TRUE	DT	2.148000e+02	2.36563877	MFI
3529	TRUE	FHA	1.091605e+04	2.00642398	MFI
3530	TRUE	OVA	3.865550e+03	1.27710784	MFI
3531	TRUE	PRN	2.786435e+04	2.23931449	MFI
3532	TRUE	PT	1.651855e+04	1.07149900	MFI
3533	TRUE	TT	2.729915e+04	1.64677406	MFI
3534	TRUE	FIM2/3	2.474730e+04	8.75297987	MFI
3535	TRUE	DT	1.995500e+02	2.19768722	MFI
3536	TRUE	FHA	1.100330e+04	2.02246096	MFI
3537	TRUE	OVA	4.727550e+03	1.56189705	MFI
3538	TRUE	PRN	2.716860e+04	2.18340064	MFI
3539	TRUE	PT	1.696630e+04	1.10054293	MFI
3540	TRUE	TT	2.651215e+04	1.59929965	MFI
3541	TRUE	FIM2/3	2.445730e+04	8.65040852	MFI
3542	TRUE	DT	1.505500e+02	1.65803965	MFI
3543	TRUE	FHA	9.444800e+03	1.73600096	MFI
3544	TRUE	OVA	4.162300e+03	1.37514867	MFI
3545	TRUE	PRN	2.634960e+04	2.11758182	MFI
3546	TRUE	PT	1.558130e+04	1.01070296	MFI
3547	TRUE	TT	2.644940e+04	1.59551436	MFI
3548	TRUE	FIM2/3	2.258705e+04	7.98891168	MFI
3549	TRUE	DT	1.103000e+02	1.21475771	MFI
3550	TRUE	FHA	7.175800e+03	1.31894753	MFI
3551	TRUE	OVA	7.752550e+03	2.56130237	MFI
3552	TRUE	PRN	2.433685e+04	1.95582746	MFI
3553	TRUE	PT	1.128430e+04	0.73197200	MFI
3554	TRUE	TT	2.565890e+04	1.54782881	MFI

3555	TRUE	FIM2/3	2.070655e+04	7.32378948	MFI
3556	TRUE	DT	9.405000e+01	1.03579295	MFI
3557	TRUE	FHA	6.190800e+03	1.13789966	MFI
3558	TRUE	OVA	2.429300e+03	0.80259680	MFI
3559	TRUE	PRN	2.801360e+04	2.25130894	MFI
3560	TRUE	PT	1.672480e+04	1.08487769	MFI
3561	TRUE	TT	2.196790e+04	1.32517562	MFI
3562	TRUE	FIM2/3	1.105255e+04	3.90922435	MFI
3563	TRUE	DT	9.530000e+01	1.04955947	MFI
3564	TRUE	FHA	6.374800e+03	1.17171977	MFI
3565	TRUE	OVA	2.783550e+03	0.91963460	MFI
3566	TRUE	PRN	2.810835e+04	2.25892351	MFI
3567	TRUE	PT	1.631055e+04	1.05800679	MFI
3568	TRUE	TT	2.194215e+04	1.32362229	MFI
3569	TRUE	FIM2/3	1.075255e+04	3.80311605	MFI
3570	TRUE	DT	8.730000e+01	0.96145374	MFI
3571	TRUE	FHA	5.607550e+03	1.03069543	MFI
3572	TRUE	OVA	2.798300e+03	0.92450773	MFI
3573	TRUE	PRN	2.847210e+04	2.28815623	MFI
3574	TRUE	PT	1.607780e+04	1.04290913	MFI
3575	TRUE	TT	2.168990e+04	1.30840575	MFI
3576	TRUE	FIM2/3	1.070405e+04	3.78596187	MFI
3577	TRUE	DT	9.180000e+01	1.01101322	MFI
3578	TRUE	FHA	5.984300e+03	1.09994394	MFI
3579	TRUE	OVA	2.806800e+03	0.92731598	MFI
3580	TRUE	PRN	2.784510e+04	2.23776746	MFI
3581	TRUE	PT	1.562055e+04	1.01324896	MFI
3582	TRUE	TT	2.137990e+04	1.28970553	MFI
3583	TRUE	FIM2/3	1.019930e+04	3.60743465	MFI
3584	TRUE	DT	9.380000e+01	1.03303965	MFI
3585	TRUE	FHA	5.731300e+03	1.05344129	MFI
3586	TRUE	OVA	2.811300e+03	0.92880270	MFI
3587	TRUE	PRN	2.803860e+04	2.25331806	MFI
3588	TRUE	PT	1.613430e+04	1.04657408	MFI
3589	TRUE	TT	2.172765e+04	1.31068295	MFI
3590	TRUE	FIM2/3	1.047505e+04	3.70496587	MFI
3591	TRUE	DT	1.943000e+02	2.13986784	MFI
3592	TRUE	FHA	8.527300e+03	1.56735992	MFI
3593	TRUE	OVA	2.703550e+03	0.89320404	MFI
3594	TRUE	PRN	2.842735e+04	2.28455990	MFI
3595	TRUE	PT	2.371380e+04	1.53822902	MFI
3596	TRUE	TT	2.405065e+04	1.45081391	MFI
3597	TRUE	FIM2/3	1.715780e+04	6.06861670	MFI

3598	TRUE	DT	2.703000e+02	2.97687225	MFI
3599	TRUE	FHA	1.144480e+04	2.10361085	MFI
3600	TRUE	OVA	3.419800e+03	1.12984010	MFI
3601	TRUE	PRN	2.825910e+04	2.27103851	MFI
3602	TRUE	PT	2.593080e+04	1.68203784	MFI
3603	TRUE	TT	2.538940e+04	1.53157169	MFI
3604	TRUE	FIM2/3	1.912255e+04	6.76353765	MFI
3605	TRUE	DT	2.133000e+02	2.34911894	MFI
3606	TRUE	FHA	1.004930e+04	1.84711105	MFI
3607	TRUE	OVA	2.942800e+03	0.97224792	MFI
3608	TRUE	PRN	2.788010e+04	2.24058023	MFI
3609	TRUE	PT	2.384430e+04	1.54669408	MFI
3610	TRUE	TT	2.414515e+04	1.45651446	MFI
3611	TRUE	FIM2/3	1.700730e+04	6.01538570	MFI
3612	TRUE	DT	1.633000e+02	1.79845815	MFI
3613	TRUE	FHA	8.408050e+03	1.54544118	MFI
3614	TRUE	OVA	2.581300e+03	0.85281485	MFI
3615	TRUE	PRN	2.864160e+04	2.30177807	MFI
3616	TRUE	PT	2.257680e+04	1.46447591	MFI
3617	TRUE	TT	2.395190e+04	1.44485699	MFI
3618	TRUE	FIM2/3	1.502130e+04	5.31294875	MFI
3619	TRUE	DT	1.310500e+02	1.44328194	MFI
3620	TRUE	FHA	7.006050e+03	1.28774664	MFI
3621	TRUE	OVA	2.870300e+03	0.94829523	MFI
3622	TRUE	PRN	2.792310e+04	2.24403592	MFI
3623	TRUE	PT	2.039530e+04	1.32296984	MFI
3624	TRUE	TT	2.301615e+04	1.38840949	MFI
3625	TRUE	FIM2/3	1.343930e+04	4.75340431	MFI
3626	TRUE	DT	1.765500e+02	1.94438326	MFI
3627	TRUE	FHA	1.097155e+04	2.01662516	MFI
3628	TRUE	OVA	5.377300e+03	1.77656271	MFI
3629	TRUE	PRN	1.853735e+04	1.48975147	MFI
3630	TRUE	PT	1.031180e+04	0.66888942	MFI
3631	TRUE	TT	1.272690e+04	0.76772826	MFI
3632	TRUE	FIM2/3	2.899800e+03	1.02564284	MFI
3633	TRUE	DT	1.535500e+02	1.69107930	MFI
3634	TRUE	FHA	9.603300e+03	1.76513404	MFI
3635	TRUE	OVA	4.344800e+03	1.43544337	MFI
3636	TRUE	PRN	1.648460e+04	1.32478251	MFI
3637	TRUE	PT	9.177300e+03	0.59529848	MFI
3638	TRUE	TT	1.159240e+04	0.69929150	MFI
3639	TRUE	FIM2/3	2.595300e+03	0.91794291	MFI
3640	TRUE	DT	1.733000e+02	1.90859031	MFI

3641	TRUE	FHA	1.063230e+04	1.95426933	MFI
3642	TRUE	OVA	4.800300e+03	1.58593234	MFI
3643	TRUE	PRN	1.777010e+04	1.42809154	MFI
3644	TRUE	PT	1.034955e+04	0.67133813	MFI
3645	TRUE	TT	1.285690e+04	0.77557028	MFI
3646	TRUE	FIM2/3	2.827300e+03	1.00000000	MFI
3647	TRUE	DT	1.733000e+02	1.90859031	MFI
3648	TRUE	FHA	1.032655e+04	1.89807097	MFI
3649	TRUE	OVA	4.728800e+03	1.56231003	MFI
3650	TRUE	PRN	1.732160e+04	1.39204790	MFI
3651	TRUE	PT	1.024030e+04	0.66425147	MFI
3652	TRUE	TT	1.273040e+04	0.76793939	MFI
3653	TRUE	FIM2/3	2.864800e+03	1.01326354	MFI
3654	TRUE	DT	1.600500e+02	1.76266520	MFI
3655	TRUE	FHA	1.039730e+04	1.91107517	MFI
3656	TRUE	OVA	4.646800e+03	1.53521871	MFI
3657	TRUE	PRN	1.702585e+04	1.36827999	MFI
3658	TRUE	PT	9.262550e+03	0.60082834	MFI
3659	TRUE	TT	1.206490e+04	0.72779425	MFI
3660	TRUE	FIM2/3	2.722550e+03	0.96295052	MFI
3661	TRUE	DT	2.730500e+02	3.00715859	MFI
3662	TRUE	FHA	1.340080e+04	2.46313332	MFI
3663	TRUE	OVA	4.738300e+03	1.56544866	MFI
3664	TRUE	PRN	2.579210e+04	2.07277841	MFI
3665	TRUE	PT	2.313880e+04	1.50093083	MFI
3666	TRUE	TT	2.420815e+04	1.46031483	MFI
3667	TRUE	FIM2/3	9.551300e+03	3.37824072	MFI
3668	TRUE	DT	3.328000e+02	3.66519824	MFI
3669	TRUE	FHA	1.502955e+04	2.76250563	MFI
3670	TRUE	OVA	5.913550e+03	1.95373001	MFI
3671	TRUE	PRN	2.666010e+04	2.14253511	MFI
3672	TRUE	PT	2.423505e+04	1.57204063	MFI
3673	TRUE	TT	2.492090e+04	1.50331024	MFI
3674	TRUE	FIM2/3	1.203405e+04	4.25637534	MFI
3675	TRUE	DT	2.845500e+02	3.13381057	MFI
3676	TRUE	FHA	1.412280e+04	2.59584049	MFI
3677	TRUE	OVA	5.953050e+03	1.96678010	MFI
3678	TRUE	PRN	2.624110e+04	2.10886223	MFI
3679	TRUE	PT	2.320355e+04	1.50513093	MFI
3680	TRUE	TT	2.467515e+04	1.48848580	MFI
3681	TRUE	FIM2/3	1.229330e+04	4.34807060	MFI
3682	TRUE	DT	2.365500e+02	2.60517621	MFI
3683	TRUE	FHA	1.214980e+04	2.23319334	MFI

3684	TRUE	OVA	5.550800e+03	1.83388397	MFI
3685	TRUE	PRN	2.549460e+04	2.04886987	MFI
3686	TRUE	PT	2.031980e+04	1.31807243	MFI
3687	TRUE	TT	2.356190e+04	1.42133091	MFI
3688	TRUE	FIM2/3	1.148580e+04	4.06246242	MFI
3689	TRUE	DT	1.923000e+02	2.11784141	MFI
3690	TRUE	FHA	1.064580e+04	1.95675070	MFI
3691	TRUE	OVA	4.766300e+03	1.57469935	MFI
3692	TRUE	PRN	2.462110e+04	1.97867117	MFI
3693	TRUE	PT	1.500830e+04	0.97353451	MFI
3694	TRUE	TT	2.121390e+04	1.27969187	MFI
3695	TRUE	FIM2/3	9.909800e+03	3.50504014	MFI
3696	TRUE	DT	2.840500e+02	3.12830396	MFI
3697	TRUE	FHA	8.426300e+03	1.54879562	MFI
3698	TRUE	OVA	3.144800e+03	1.03898507	MFI
3699	TRUE	PRN	5.621100e+03	0.45173889	MFI
3700	TRUE	PT	8.003550e+03	0.51916154	MFI
3701	TRUE	TT	1.593490e+04	0.96124531	MFI
3702	TRUE	FIM2/3	1.386050e+03	0.49023804	MFI
3703	TRUE	DT	2.603000e+02	2.86674009	MFI
3704	TRUE	FHA	7.808800e+03	1.43529606	MFI
3705	TRUE	OVA	2.831550e+03	0.93549293	MFI
3706	TRUE	PRN	5.380600e+03	0.43241115	MFI
3707	TRUE	PT	6.749300e+03	0.43780285	MFI
3708	TRUE	TT	1.425140e+04	0.85969108	MFI
3709	TRUE	FIM2/3	1.199800e+03	0.42436247	MFI
3710	TRUE	DT	2.683000e+02	2.95484581	MFI
3711	TRUE	FHA	8.356550e+03	1.53597522	MFI
3712	TRUE	OVA	3.026800e+03	1.00000000	MFI
3713	TRUE	PRN	6.501600e+03	0.52250015	MFI
3714	TRUE	PT	7.057800e+03	0.45781413	MFI
3715	TRUE	TT	1.468840e+04	0.88605235	MFI
3716	TRUE	FIM2/3	1.324300e+03	0.46839741	MFI
3717	TRUE	DT	2.838000e+02	3.12555066	MFI
3718	TRUE	FHA	8.231800e+03	1.51304556	MFI
3719	TRUE	OVA	3.400550e+03	1.12348024	MFI
3720	TRUE	PRN	6.050100e+03	0.48621542	MFI
3721	TRUE	PT	8.016300e+03	0.51998858	MFI
3722	TRUE	TT	1.587040e+04	0.95735446	MFI
3723	TRUE	FIM2/3	1.482300e+03	0.52428112	MFI
3724	TRUE	DT	2.655500e+02	2.92455947	MFI
3725	TRUE	FHA	8.252300e+03	1.51681356	MFI
3726	TRUE	OVA	2.930800e+03	0.96828334	MFI

3727	TRUE	PRN	5.866600e+03	0.47146847	MFI
3728	TRUE	PT	7.207300e+03	0.46751166	MFI
3729	TRUE	TT	1.478215e+04	0.89170766	MFI
3730	TRUE	FIM2/3	1.673050e+03	0.59174831	MFI
3731	TRUE	DT	2.868000e+02	3.15859031	MFI
3732	TRUE	FHA	9.035800e+03	1.66082473	MFI
3733	TRUE	OVA	3.103550e+03	1.02535681	MFI
3734	TRUE	PRN	1.376560e+04	1.10627047	MFI
3735	TRUE	PT	1.818680e+04	1.17971238	MFI
3736	TRUE	TT	2.342390e+04	1.41300630	MFI
3737	TRUE	FIM2/3	1.658405e+04	5.86568458	MFI
3738	TRUE	DT	3.223000e+02	3.54955947	MFI
3739	TRUE	FHA	1.010080e+04	1.85657700	MFI
3740	TRUE	OVA	3.851050e+03	1.27231730	MFI
3741	TRUE	PRN	1.946860e+04	1.56459124	MFI
3742	TRUE	PT	2.275155e+04	1.47581132	MFI
3743	TRUE	TT	2.496890e+04	1.50620576	MFI
3744	TRUE	FIM2/3	2.061355e+04	7.29089591	MFI
3745	TRUE	DT	3.048000e+02	3.35682819	MFI
3746	TRUE	FHA	9.546300e+03	1.75465716	MFI
3747	TRUE	OVA	3.551050e+03	1.17320272	MFI
3748	TRUE	PRN	1.773060e+04	1.42491712	MFI
3749	TRUE	PT	2.201405e+04	1.42797234	MFI
3750	TRUE	TT	2.484015e+04	1.49843914	MFI
3751	TRUE	FIM2/3	1.986630e+04	7.02659781	MFI
3752	TRUE	DT	2.853000e+02	3.14207048	MFI
3753	TRUE	FHA	8.795800e+03	1.61671155	MFI
3754	TRUE	OVA	2.987300e+03	0.98694991	MFI
3755	TRUE	PRN	1.457535e+04	1.17134591	MFI
3756	TRUE	PT	1.964130e+04	1.27406057	MFI
3757	TRUE	TT	2.458340e+04	1.48295114	MFI
3758	TRUE	FIM2/3	1.777180e+04	6.28578502	MFI
3759	TRUE	DT	2.765500e+02	3.04570485	MFI
3760	TRUE	FHA	8.600300e+03	1.58077768	MFI
3761	TRUE	OVA	3.459300e+03	1.14289018	MFI
3762	TRUE	PRN	1.166860e+04	0.93774536	MFI
3763	TRUE	PT	1.684830e+04	1.09288870	MFI
3764	TRUE	TT	2.472340e+04	1.49139639	MFI
3765	TRUE	FIM2/3	1.535805e+04	5.43205532	MFI
3766	TRUE	DT	8.580000e+01	0.94493392	MFI
3767	TRUE	FHA	6.345800e+03	1.16638943	MFI
3768	TRUE	OVA	8.856500e+02	0.29260275	MFI
3769	TRUE	PRN	1.650665e+04	1.32655456	MFI

3770	TRUE	PT	1.864580e+04	1.20948606	MFI
3771	TRUE	TT	9.258250e+03	0.55848794	MFI
3772	TRUE	FIM2/3	7.590800e+03	2.68482298	MFI
3773	TRUE	DT	9.230000e+01	1.01651982	MFI
3774	TRUE	FHA	6.521800e+03	1.19873910	MFI
3775	TRUE	OVA	9.029000e+02	0.29830184	MFI
3776	TRUE	PRN	1.711615e+04	1.37553694	MFI
3777	TRUE	PT	1.980530e+04	1.28469866	MFI
3778	TRUE	TT	9.987250e+03	0.60246360	MFI
3779	TRUE	FIM2/3	8.063550e+03	2.85203197	MFI
3780	TRUE	DT	9.230000e+01	1.01651982	MFI
3781	TRUE	FHA	6.487300e+03	1.19239783	MFI
3782	TRUE	OVA	9.746500e+02	0.32200674	MFI
3783	TRUE	PRN	1.740315e+04	1.39860165	MFI
3784	TRUE	PT	1.927480e+04	1.25028703	MFI
3785	TRUE	TT	1.025725e+04	0.61875089	MFI
3786	TRUE	FIM2/3	8.128300e+03	2.87493368	MFI
3787	TRUE	DT	9.030000e+01	0.99449339	MFI
3788	TRUE	FHA	6.379550e+03	1.17259284	MFI
3789	TRUE	OVA	8.894000e+02	0.29384168	MFI
3790	TRUE	PRN	1.734990e+04	1.39432222	MFI
3791	TRUE	PT	1.997180e+04	1.29549892	MFI
3792	TRUE	TT	1.002650e+04	0.60483129	MFI
3793	TRUE	FIM2/3	7.947300e+03	2.81091501	MFI
3794	TRUE	DT	1.075500e+02	1.18447137	MFI
3795	TRUE	FHA	6.364300e+03	1.16978982	MFI
3796	TRUE	OVA	4.303400e+03	1.42176556	MFI
3797	TRUE	PRN	7.445650e+03	0.59836859	MFI
3798	TRUE	PT	2.530330e+04	1.64133417	MFI
3799	TRUE	TT	1.972100e+04	1.18963526	MFI
3800	TRUE	FIM2/3	4.783000e+02	0.16917200	MFI
3801	TRUE	DT	1.163000e+02	1.28083700	MFI
3802	TRUE	FHA	7.496050e+03	1.37781107	MFI
3803	TRUE	OVA	9.149000e+02	0.30226642	MFI
3804	TRUE	PRN	2.685940e+04	2.15855183	MFI
3805	TRUE	PT	2.354380e+04	1.52720173	MFI
3806	TRUE	TT	2.695900e+04	1.62625510	MFI
3807	TRUE	FIM2/3	1.402830e+04	4.96173027	MFI
3808	TRUE	DT	1.628000e+02	1.79295154	MFI
3809	TRUE	FHA	9.877800e+03	1.81558850	MFI
3810	TRUE	OVA	9.946500e+02	0.32861438	MFI
3811	TRUE	PRN	2.920215e+04	2.34682659	MFI
3812	TRUE	PT	2.571055e+04	1.66775102	MFI

3813	TRUE	TT	2.804075e+04	1.69150980	MFI
3814	TRUE	FIM2/3	1.634680e+04	5.78177059	MFI
3815	TRUE	DT	1.433000e+02	1.57819383	MFI
3816	TRUE	FHA	9.369800e+03	1.72221558	MFI
3817	TRUE	OVA	1.010150e+03	0.33373530	MFI
3818	TRUE	PRN	2.925690e+04	2.35122657	MFI
3819	TRUE	PT	2.551480e+04	1.65505342	MFI
3820	TRUE	TT	2.820800e+04	1.70159887	MFI
3821	TRUE	FIM2/3	1.501580e+04	5.31100343	MFI
3822	TRUE	DT	1.293000e+02	1.42400881	MFI
3823	TRUE	FHA	8.732800e+03	1.60513183	MFI
3824	TRUE	OVA	9.606500e+02	0.31738139	MFI
3825	TRUE	PRN	2.881240e+04	2.31550439	MFI
3826	TRUE	PT	2.386180e+04	1.54782925	MFI
3827	TRUE	TT	2.766000e+04	1.66854172	MFI
3828	TRUE	FIM2/3	1.406630e+04	4.97517066	MFI
3829	TRUE	DT	1.073000e+02	1.18171806	MFI
3830	TRUE	FHA	7.924050e+03	1.45647958	MFI
3831	TRUE	OVA	8.674000e+02	0.28657328	MFI
3832	TRUE	PRN	2.808215e+04	2.25681795	MFI
3833	TRUE	PT	2.125980e+04	1.37904685	MFI
3834	TRUE	TT	2.637425e+04	1.59098107	MFI
3835	TRUE	FIM2/3	1.200905e+04	4.24753298	MFI
3836	TRUE	DT	8.530000e+01	0.93942731	MFI
3837	TRUE	FHA	5.198800e+03	0.95556515	MFI
3838	TRUE	OVA	3.243400e+03	1.07156072	MFI
3839	TRUE	PRN	4.307400e+03	0.34616358	MFI
3840	TRUE	PT	2.386280e+04	1.54789411	MFI
3841	TRUE	TT	1.604175e+04	0.96769086	MFI
3842	TRUE	FIM2/3	2.500500e+02	0.08844127	MFI
3843	TRUE	DT	8.530000e+01	0.93942731	MFI
3844	TRUE	FHA	5.198800e+03	0.95556515	MFI
3845	TRUE	OVA	3.243400e+03	1.07156072	MFI
3846	TRUE	PRN	4.307400e+03	0.34616358	MFI
3847	TRUE	PT	2.386280e+04	1.54789411	MFI
3848	TRUE	TT	1.604175e+04	0.96769086	MFI
3849	TRUE	FIM2/3	2.500500e+02	0.08844127	MFI
3850	TRUE	DT	9.605000e+01	1.05781938	MFI
3851	TRUE	FHA	5.484050e+03	1.00799552	MFI
3852	TRUE	OVA	3.568650e+03	1.17901744	MFI
3853	TRUE	PRN	4.591650e+03	0.36900729	MFI
3854	TRUE	PT	2.484855e+04	1.61183617	MFI
3855	TRUE	TT	1.735600e+04	1.04697072	MFI

3856	TRUE	FIM2/3	1.225500e+02	0.04334524	MFI
3857	TRUE	DT	1.025500e+02	1.12940529	MFI
3858	TRUE	FHA	5.296300e+03	0.97348614	MFI
3859	TRUE	OVA	3.529400e+03	1.16604995	MFI
3860	TRUE	PRN	4.871400e+03	0.39148936	MFI
3861	TRUE	PT	2.557980e+04	1.65926973	MFI
3862	TRUE	TT	1.827500e+04	1.10240780	MFI
3863	TRUE	FIM2/3	1.195500e+02	0.04228416	MFI
3864	TRUE	DT	8.830000e+01	0.97246696	MFI
3865	TRUE	FHA	5.348300e+03	0.98304399	MFI
3866	TRUE	OVA	3.160650e+03	1.04422162	MFI
3867	TRUE	PRN	4.928400e+03	0.39607016	MFI
3868	TRUE	PT	2.414255e+04	1.56604049	MFI
3869	TRUE	TT	1.694400e+04	1.02211753	MFI
3870	TRUE	FIM2/3	2.653000e+02	0.09383511	MFI
3871	TRUE	DT	1.028000e+02	1.13215859	MFI
3872	TRUE	FHA	6.526550e+03	1.19961217	MFI
3873	TRUE	OVA	9.481500e+02	0.31325162	MFI
3874	TRUE	PRN	1.800740e+04	1.44716212	MFI
3875	TRUE	PT	2.047330e+04	1.32802942	MFI
3876	TRUE	TT	1.101150e+04	0.66424971	MFI
3877	TRUE	FIM2/3	8.395550e+03	2.96945849	MFI
3878	TRUE	DT	1.765500e+02	1.94438326	MFI
3879	TRUE	FHA	9.845050e+03	1.80956889	MFI
3880	TRUE	OVA	3.377400e+03	1.11583190	MFI
3881	TRUE	PRN	1.615165e+04	1.29802503	MFI
3882	TRUE	PT	2.674080e+04	1.73457963	MFI
3883	TRUE	TT	2.723225e+04	1.64273844	MFI
3884	TRUE	FIM2/3	1.028300e+03	0.36370389	MFI
3885	TRUE	DT	3.070500e+02	3.38160793	MFI
3886	TRUE	FHA	1.555980e+04	2.85996820	MFI
3887	TRUE	OVA	3.159150e+03	1.04372605	MFI
3888	TRUE	PRN	2.721140e+04	2.18684025	MFI
3889	TRUE	PT	2.952430e+04	1.91513528	MFI
3890	TRUE	TT	2.823625e+04	1.70330300	MFI
3891	TRUE	FIM2/3	2.815300e+03	0.99575567	MFI
3892	TRUE	DT	2.583000e+02	2.84471366	MFI
3893	TRUE	FHA	1.412180e+04	2.59565669	MFI
3894	TRUE	OVA	3.270900e+03	1.08064623	MFI
3895	TRUE	PRN	2.646140e+04	2.12656661	MFI
3896	TRUE	PT	2.902930e+04	1.88302641	MFI
3897	TRUE	TT	2.801350e+04	1.68986599	MFI
3898	TRUE	FIM2/3	1.661050e+03	0.58750398	MFI

3899	TRUE	DT	2.135500e+02	2.35187225	MFI
3900	TRUE	FHA	1.277380e+04	2.34788762	MFI
3901	TRUE	OVA	3.132400e+03	1.03488833	MFI
3902	TRUE	PRN	2.473565e+04	1.98787696	MFI
3903	TRUE	PT	2.764730e+04	1.79338103	MFI
3904	TRUE	TT	2.790025e+04	1.68303438	MFI
3905	TRUE	FIM2/3	1.142550e+03	0.40411347	MFI
3906	TRUE	DT	1.828000e+02	2.01321586	MFI
3907	TRUE	FHA	1.103030e+04	2.02742370	MFI
3908	TRUE	OVA	3.555900e+03	1.17480507	MFI
3909	TRUE	PRN	2.129040e+04	1.71099994	MFI
3910	TRUE	PT	2.611730e+04	1.69413543	MFI
3911	TRUE	TT	2.611800e+04	1.57552323	MFI
3912	TRUE	FIM2/3	7.000500e+02	0.24760372	MFI
3913	TRUE	DT	7.880000e+01	0.86784141	MFI
3914	TRUE	FHA	5.666800e+03	1.04158587	MFI
3915	TRUE	OVA	2.549000e+02	0.08421435	MFI
3916	TRUE	PRN	1.024900e+03	0.08236594	MFI
3917	TRUE	PT	8.174550e+03	0.53025369	MFI
3918	TRUE	TT	1.252100e+04	0.75530769	MFI
3919	TRUE	FIM2/3	1.832550e+03	0.64816256	MFI
3920	TRUE	DT	8.630000e+01	0.95044053	MFI
3921	TRUE	FHA	6.049800e+03	1.11198316	MFI
3922	TRUE	OVA	2.249000e+02	0.07430289	MFI
3923	TRUE	PRN	1.083400e+03	0.08706729	MFI
3924	TRUE	PT	5.908800e+03	0.38328263	MFI
3925	TRUE	TT	1.400650e+04	0.84491792	MFI
3926	TRUE	FIM2/3	1.910050e+03	0.67557387	MFI
3927	TRUE	DT	8.130000e+01	0.89537445	MFI
3928	TRUE	FHA	5.940300e+03	1.09185652	MFI
3929	TRUE	OVA	1.926500e+02	0.06364808	MFI
3930	TRUE	PRN	1.075400e+03	0.08642437	MFI
3931	TRUE	PT	5.513550e+03	0.35764418	MFI
3932	TRUE	TT	1.358175e+04	0.81929561	MFI
3933	TRUE	FIM2/3	1.927550e+03	0.68176352	MFI
3934	TRUE	DT	6.055000e+01	0.66685022	MFI
3935	TRUE	FHA	4.061050e+03	0.74644108	MFI
3936	TRUE	OVA	1.304000e+02	0.04308180	MFI
3937	TRUE	PRN	8.519000e+02	0.06846282	MFI
3938	TRUE	PT	4.959300e+03	0.32169198	MFI
3939	TRUE	TT	1.007075e+04	0.60750060	MFI
3940	TRUE	FIM2/3	1.372800e+03	0.48555159	MFI
3941	TRUE	DT	7.480000e+01	0.82378855	MFI

3942	TRUE	FHA	5.193550e+03	0.95460018	MFI
3943	TRUE	OVA	1.409000e+02	0.04655081	MFI
3944	TRUE	PRN	1.183900e+03	0.09514395	MFI
3945	TRUE	PT	4.148050e+03	0.26906910	MFI
3946	TRUE	TT	1.224100e+04	0.73841718	MFI
3947	TRUE	FIM2/3	1.792050e+03	0.63383794	MFI
3948	TRUE	DT	1.498000e+02	1.64977974	MFI
3949	TRUE	FHA	9.052550e+03	1.66390347	MFI
3950	TRUE	OVA	2.354000e+02	0.07777190	MFI
3951	TRUE	PRN	5.081400e+03	0.40836598	MFI
3952	TRUE	PT	8.827050e+03	0.57257902	MFI
3953	TRUE	TT	2.673450e+04	1.61271253	MFI
3954	TRUE	FIM2/3	9.967550e+03	3.52546599	MFI
3955	TRUE	DT	1.843000e+02	2.02973568	MFI
3956	TRUE	FHA	1.087280e+04	1.99847442	MFI
3957	TRUE	OVA	2.194000e+02	0.07248579	MFI
3958	TRUE	PRN	8.878150e+03	0.71349125	MFI
3959	TRUE	PT	1.140355e+04	0.73970732	MFI
3960	TRUE	TT	2.816150e+04	1.69879384	MFI
3961	TRUE	FIM2/3	1.583830e+04	5.60191702	MFI
3962	TRUE	DT	1.938000e+02	2.13436123	MFI
3963	TRUE	FHA	1.152255e+04	2.11790168	MFI
3964	TRUE	OVA	1.839000e+02	0.06075724	MFI
3965	TRUE	PRN	6.670150e+03	0.53604565	MFI
3966	TRUE	PT	9.686300e+03	0.62831548	MFI
3967	TRUE	TT	2.809075e+04	1.69452596	MFI
3968	TRUE	FIM2/3	1.511605e+04	5.34646129	MFI
3969	TRUE	DT	1.503000e+02	1.65528634	MFI
3970	TRUE	FHA	9.092300e+03	1.67120971	MFI
3971	TRUE	OVA	1.279000e+02	0.04225585	MFI
3972	TRUE	PRN	2.835900e+03	0.22790670	MFI
3973	TRUE	PT	5.655800e+03	0.36687143	MFI
3974	TRUE	TT	2.776675e+04	1.67498122	MFI
3975	TRUE	FIM2/3	1.111805e+04	3.93239133	MFI
3976	TRUE	DT	1.600500e+02	1.76266520	MFI
3977	TRUE	FHA	1.041730e+04	1.91475127	MFI
3978	TRUE	OVA	1.679000e+02	0.05547112	MFI
3979	TRUE	PRN	2.647150e+03	0.21273783	MFI
3980	TRUE	PT	5.546800e+03	0.35980099	MFI
3981	TRUE	TT	2.688025e+04	1.62150464	MFI
3982	TRUE	FIM2/3	1.098530e+04	3.88543840	MFI
3983	TRUE	DT	1.203000e+02	1.32488987	MFI
3984	TRUE	FHA	7.013300e+03	1.28907923	MFI

3985	TRUE	OVA	5.490900e+03	1.81409409	MFI
3986	TRUE	PRN	6.703900e+03	0.53875796	MFI
3987	TRUE	PT	2.754455e+04	1.78671601	MFI
3988	TRUE	TT	2.227225e+04	1.34353500	MFI
3989	TRUE	FIM2/3	1.297380e+04	4.58875959	MFI
3990	TRUE	DT	9.330000e+01	1.02753304	MFI
3991	TRUE	FHA	6.147550e+03	1.12995010	MFI
3992	TRUE	OVA	4.479400e+03	1.47991278	MFI
3993	TRUE	PRN	5.624400e+03	0.45200410	MFI
3994	TRUE	PT	2.671980e+04	1.73321744	MFI
3995	TRUE	TT	2.046375e+04	1.23444037	MFI
3996	TRUE	FIM2/3	1.147330e+04	4.05804124	MFI
3997	TRUE	DT	1.125500e+02	1.23953744	MFI
3998	TRUE	FHA	6.660050e+03	1.22415013	MFI
3999	TRUE	OVA	4.851400e+03	1.60281485	MFI
4000	TRUE	PRN	6.631650e+03	0.53295160	MFI
4001	TRUE	PT	2.675530e+04	1.73552020	MFI
4002	TRUE	TT	2.208625e+04	1.33231488	MFI
4003	TRUE	FIM2/3	1.226705e+04	4.33878612	MFI
4004	TRUE	DT	1.043000e+02	1.14867841	MFI
4005	TRUE	FHA	6.786800e+03	1.24744741	MFI
4006	TRUE	OVA	4.633900e+03	1.53095679	MFI
4007	TRUE	PRN	7.779900e+03	0.62523055	MFI
4008	TRUE	PT	2.640430e+04	1.71275209	MFI
4009	TRUE	TT	2.244800e+04	1.35413682	MFI
4010	TRUE	FIM2/3	1.286680e+04	4.55091430	MFI
4011	TRUE	DT	1.248000e+02	1.37444934	MFI
4012	TRUE	FHA	7.620050e+03	1.40060288	MFI
4013	TRUE	OVA	5.074400e+03	1.67649002	MFI
4014	TRUE	PRN	1.119215e+04	0.89945553	MFI
4015	TRUE	PT	2.662430e+04	1.72702270	MFI
4016	TRUE	TT	2.438875e+04	1.47120921	MFI
4017	TRUE	FIM2/3	1.329005e+04	4.70061543	MFI
4018	TRUE	DT	2.968000e+02	3.26872247	MFI
4019	TRUE	FHA	1.219830e+04	2.24210788	MFI
4020	TRUE	OVA	4.679900e+03	1.54615435	MFI
4021	TRUE	PRN	2.786040e+04	2.23899705	MFI
4022	TRUE	PT	2.719130e+04	1.76380195	MFI
4023	TRUE	TT	2.771125e+04	1.67163328	MFI
4024	TRUE	FIM2/3	1.961880e+04	6.93905847	MFI
4025	TRUE	DT	2.071500e+02	2.28138767	MFI
4026	TRUE	FHA	1.057755e+04	1.94420601	MFI
4027	TRUE	OVA	2.701950e+03	0.89267543	MFI

4028	TRUE	PRN	1.435745e+04	1.15383441	MFI
4029	TRUE	PT	1.386340e+04	0.89926896	MFI
4030	TRUE	TT	1.366350e+04	0.82422703	MFI
4031	TRUE	FIM2/3	1.135290e+04	4.01545644	MFI
4032	TRUE	DT	2.495500e+02	2.74834802	MFI
4033	TRUE	FHA	1.204380e+04	2.21371001	MFI
4034	TRUE	OVA	4.172900e+03	1.37865072	MFI
4035	TRUE	PRN	2.742140e+04	2.20371687	MFI
4036	TRUE	PT	2.662605e+04	1.72713621	MFI
4037	TRUE	TT	2.732100e+04	1.64809213	MFI
4038	TRUE	FIM2/3	1.917780e+04	6.78307926	MFI
4039	TRUE	DT	2.138000e+02	2.35462555	MFI
4040	TRUE	FHA	1.010230e+04	1.85685271	MFI
4041	TRUE	OVA	4.682900e+03	1.54714550	MFI
4042	TRUE	PRN	2.563915e+04	2.06048661	MFI
4043	TRUE	PT	2.637680e+04	1.71096826	MFI
4044	TRUE	TT	2.677550e+04	1.61518578	MFI
4045	TRUE	FIM2/3	1.728555e+04	6.11380115	MFI
4046	TRUE	DT	1.775500e+02	1.95539648	MFI
4047	TRUE	FHA	8.965550e+03	1.64791244	MFI
4048	TRUE	OVA	5.705900e+03	1.88512621	MFI
4049	TRUE	PRN	2.339640e+04	1.88024833	MFI
4050	TRUE	PT	2.593405e+04	1.68224866	MFI
4051	TRUE	TT	2.605950e+04	1.57199432	MFI
4052	TRUE	FIM2/3	1.669755e+04	5.90582888	MFI
4053	TRUE	DT	8.580000e+01	0.94493392	MFI
4054	TRUE	FHA	5.440550e+03	1.00000000	MFI
4055	TRUE	OVA	2.958000e+02	0.09772697	MFI
4056	TRUE	PRN	1.398725e+04	1.12408334	MFI
4057	TRUE	PT	2.539205e+04	1.64709107	MFI
4058	TRUE	TT	1.526220e+04	0.92066585	MFI
4059	TRUE	FIM2/3	4.870850e+03	1.72279206	MFI
4060	TRUE	DT	9.180000e+01	1.01101322	MFI
4061	TRUE	FHA	5.589300e+03	1.02734099	MFI
4062	TRUE	OVA	3.248000e+02	0.10730805	MFI
4063	TRUE	PRN	1.472925e+04	1.18371406	MFI
4064	TRUE	PT	2.735180e+04	1.77421301	MFI
4065	TRUE	TT	1.662645e+04	1.00296187	MFI
4066	TRUE	FIM2/3	5.202100e+03	1.83995331	MFI
4067	TRUE	DT	9.080000e+01	1.00000000	MFI
4068	TRUE	FHA	5.373800e+03	0.98773102	MFI
4069	TRUE	OVA	2.383000e+02	0.07873001	MFI
4070	TRUE	PRN	1.383350e+04	1.11172724	MFI

4071	TRUE	PT	2.587230e+04	1.67824316	MFI
4072	TRUE	TT	1.581495e+04	0.95400954	MFI
4073	TRUE	FIM2/3	5.076100e+03	1.79538783	MFI
4074	TRUE	DT	1.113000e+02	1.22577093	MFI
4075	TRUE	FHA	8.869050e+03	1.63017526	MFI
4076	TRUE	OVA	3.968000e+02	0.13109555	MFI
4077	TRUE	PRN	2.082675e+04	1.67373877	MFI
4078	TRUE	PT	2.893630e+04	1.87699383	MFI
4079	TRUE	TT	2.197570e+04	1.32564614	MFI
4080	TRUE	FIM2/3	8.052100e+03	2.84798217	MFI
4081	TRUE	DT	9.780000e+01	1.07709251	MFI
4082	TRUE	FHA	6.887550e+03	1.26596576	MFI
4083	TRUE	OVA	2.715500e+02	0.08971521	MFI
4084	TRUE	PRN	1.713150e+04	1.37677054	MFI
4085	TRUE	PT	2.794880e+04	1.81293825	MFI
4086	TRUE	TT	1.817520e+04	1.09638754	MFI
4087	TRUE	FIM2/3	6.272350e+03	2.21849468	MFI
4088	TRUE	DT	1.418000e+02	1.56167401	MFI
4089	TRUE	FHA	9.110550e+03	1.67456415	MFI
4090	TRUE	OVA	2.920500e+02	0.09648804	MFI
4091	TRUE	PRN	2.078525e+04	1.67040363	MFI
4092	TRUE	PT	2.869205e+04	1.86115021	MFI
4093	TRUE	TT	2.532670e+04	1.52778942	MFI
4094	TRUE	FIM2/3	1.205160e+04	4.26258268	MFI
4095	TRUE	DT	2.140500e+02	2.35737885	MFI
4096	TRUE	FHA	1.378205e+04	2.53320896	MFI
4097	TRUE	OVA	4.013000e+02	0.13258227	MFI
4098	TRUE	PRN	2.559250e+04	2.05673759	MFI
4099	TRUE	PT	3.018680e+04	1.95810927	MFI
4100	TRUE	TT	3.013995e+04	1.81814041	MFI
4101	TRUE	FIM2/3	1.925385e+04	6.80997772	MFI
4102	TRUE	DT	1.735500e+02	1.91134361	MFI
4103	TRUE	FHA	1.356355e+04	2.49304758	MFI
4104	TRUE	OVA	3.913000e+02	0.12927845	MFI
4105	TRUE	PRN	2.720725e+04	2.18650674	MFI
4106	TRUE	PT	3.121530e+04	2.02482437	MFI
4107	TRUE	TT	2.923870e+04	1.76377407	MFI
4108	TRUE	FIM2/3	1.864210e+04	6.59360521	MFI
4109	TRUE	DT	1.590500e+02	1.75165198	MFI
4110	TRUE	FHA	1.074905e+04	1.97572856	MFI
4111	TRUE	OVA	3.908000e+02	0.12911325	MFI
4112	TRUE	PRN	2.518700e+04	2.02414964	MFI
4113	TRUE	PT	2.814180e+04	1.82545747	MFI

4114	TRUE	TT	2.965770e+04	1.78904952	MFI
4115	TRUE	FIM2/3	1.616060e+04	5.71591271	MFI
4116	TRUE	DT	1.425500e+02	1.56993392	MFI
4117	TRUE	FHA	9.690800e+03	1.78121697	MFI
4118	TRUE	OVA	4.485500e+02	0.14819281	MFI
4119	TRUE	PRN	2.274625e+04	1.82799912	MFI
4120	TRUE	PT	2.767455e+04	1.79514864	MFI
4121	TRUE	TT	2.874770e+04	1.73415534	MFI
4122	TRUE	FIM2/3	1.493160e+04	5.28122237	MFI
4123	TRUE	DT	1.538000e+02	1.69383260	MFI
4124	TRUE	FHA	1.104055e+04	2.02930770	MFI
4125	TRUE	OVA	2.453300e+03	0.81052597	MFI
4126	TRUE	PRN	2.265300e+04	1.82050509	MFI
4127	TRUE	PT	1.741005e+04	1.12932740	MFI
4128	TRUE	TT	1.545345e+04	0.93220267	MFI
4129	TRUE	FIM2/3	4.321100e+03	1.52834860	MFI
4130	TRUE	DT	1.405500e+02	1.54790749	MFI
4131	TRUE	FHA	1.169580e+04	2.14974589	MFI
4132	TRUE	OVA	2.354300e+03	0.77781816	MFI
4133	TRUE	PRN	2.319875e+04	1.86436421	MFI
4134	TRUE	PT	1.749705e+04	1.13497078	MFI
4135	TRUE	TT	1.589470e+04	0.95882032	MFI
4136	TRUE	FIM2/3	4.601350e+03	1.62747144	MFI
4137	TRUE	DT	1.388000e+02	1.52863436	MFI
4138	TRUE	FHA	1.089905e+04	2.00329930	MFI
4139	TRUE	OVA	2.491300e+03	0.82308048	MFI
4140	TRUE	PRN	2.264375e+04	1.81976172	MFI
4141	TRUE	PT	1.601830e+04	1.03904958	MFI
4142	TRUE	TT	1.550070e+04	0.93505295	MFI
4143	TRUE	FIM2/3	4.282600e+03	1.51473137	MFI
4144	TRUE	DT	1.568000e+02	1.72687225	MFI
4145	TRUE	FHA	1.060955e+04	1.95008777	MFI
4146	TRUE	OVA	2.576800e+03	0.85132814	MFI
4147	TRUE	PRN	2.285625e+04	1.83683925	MFI
4148	TRUE	PT	1.739155e+04	1.12812737	MFI
4149	TRUE	TT	1.609120e+04	0.97067384	MFI
4150	TRUE	FIM2/3	4.468850e+03	1.58060694	MFI
4151	TRUE	DT	1.463000e+02	1.61123348	MFI
4152	TRUE	FHA	1.083130e+04	1.99084651	MFI
4153	TRUE	OVA	2.297800e+03	0.75915158	MFI
4154	TRUE	PRN	2.260725e+04	1.81682840	MFI
4155	TRUE	PT	1.527330e+04	0.99072410	MFI
4156	TRUE	TT	1.597195e+04	0.96348029	MFI

4157	TRUE	FIM2/3	4.570600e+03	1.61659534	MFI
4158	TRUE	DT	2.488000e+02	2.74008811	MFI
4159	TRUE	FHA	1.361005e+04	2.50159451	MFI
4160	TRUE	OVA	2.403300e+03	0.79400687	MFI
4161	TRUE	PRN	3.059250e+04	2.45856187	MFI
4162	TRUE	PT	2.114680e+04	1.37171695	MFI
4163	TRUE	TT	2.556020e+04	1.54187491	MFI
4164	TRUE	FIM2/3	1.130585e+04	3.99881512	MFI
4165	TRUE	DT	2.593000e+02	2.85572687	MFI
4166	TRUE	FHA	1.503830e+04	2.76411392	MFI
4167	TRUE	OVA	2.278050e+03	0.75262654	MFI
4168	TRUE	PRN	3.495925e+04	2.80949511	MFI
4169	TRUE	PT	2.130180e+04	1.38177124	MFI
4170	TRUE	TT	2.584195e+04	1.55887099	MFI
4171	TRUE	FIM2/3	1.617360e+04	5.72051073	MFI
4172	TRUE	DT	2.365500e+02	2.60517621	MFI
4173	TRUE	FHA	1.523055e+04	2.79945042	MFI
4174	TRUE	OVA	3.806550e+03	1.25761530	MFI
4175	TRUE	PRN	3.396650e+04	2.72971290	MFI
4176	TRUE	PT	2.132955e+04	1.38357128	MFI
4177	TRUE	TT	2.568970e+04	1.54968677	MFI
4178	TRUE	FIM2/3	1.845610e+04	6.52781806	MFI
4179	TRUE	DT	1.898000e+02	2.09030837	MFI
4180	TRUE	FHA	1.235730e+04	2.27133286	MFI
4181	TRUE	OVA	2.560300e+03	0.84587683	MFI
4182	TRUE	PRN	3.557225e+04	2.85875876	MFI
4183	TRUE	PT	1.774655e+04	1.15115495	MFI
4184	TRUE	TT	2.361645e+04	1.42462155	MFI
4185	TRUE	FIM2/3	1.577235e+04	5.57859088	MFI
4186	TRUE	DT	1.878000e+02	2.06828194	MFI
4187	TRUE	FHA	1.174530e+04	2.15884423	MFI
4188	TRUE	OVA	4.565300e+03	1.50829259	MFI
4189	TRUE	PRN	3.550550e+04	2.85339441	MFI
4190	TRUE	PT	2.015680e+04	1.30749921	MFI
4191	TRUE	TT	2.394170e+04	1.44424169	MFI
4192	TRUE	FIM2/3	1.645910e+04	5.82149047	MFI
4193	TRUE	DT	2.910000e+01	0.32048458	MFI
4194	TRUE	FHA	2.380050e+03	0.43746496	MFI
4195	TRUE	OVA	4.149300e+03	1.37085371	MFI
4196	TRUE	PRN	3.444800e+03	0.27684086	MFI
4197	TRUE	PT	1.541630e+04	1.00000000	MFI
4198	TRUE	TT	1.583900e+04	0.95546031	MFI
4199	TRUE	FIM2/3	1.388600e+03	0.49113996	MFI

4200	TRUE	DT	2.460000e+01	0.27092511	MFI
4201	TRUE	FHA	2.091800e+03	0.38448319	MFI
4202	TRUE	OVA	3.725800e+03	1.23093696	MFI
4203	TRUE	PRN	2.641800e+03	0.21230788	MFI
4204	TRUE	PT	1.570580e+04	1.01877883	MFI
4205	TRUE	TT	1.479675e+04	0.89258838	MFI
4206	TRUE	FIM2/3	9.056000e+02	0.32030559	MFI
4207	TRUE	DT	2.310000e+01	0.25440529	MFI
4208	TRUE	FHA	2.043050e+03	0.37552270	MFI
4209	TRUE	OVA	3.303800e+03	1.09151579	MFI
4210	TRUE	PRN	2.702800e+03	0.21721013	MFI
4211	TRUE	PT	1.482130e+04	0.96140449	MFI
4212	TRUE	TT	1.445200e+04	0.87179193	MFI
4213	TRUE	FIM2/3	1.115600e+03	0.39458140	MFI
4214	TRUE	DT	2.360000e+01	0.25991189	MFI
4215	TRUE	FHA	2.029300e+03	0.37299538	MFI
4216	TRUE	OVA	3.385800e+03	1.11860711	MFI
4217	TRUE	PRN	2.661050e+03	0.21385490	MFI
4218	TRUE	PT	1.494705e+04	0.96956144	MFI
4219	TRUE	TT	1.452425e+04	0.87615029	MFI
4220	TRUE	FIM2/3	1.020100e+03	0.36080359	MFI
4221	TRUE	DT	1.380000e+01	0.15198238	MFI
4222	TRUE	FHA	1.050150e+03	0.19302276	MFI
4223	TRUE	OVA	1.895150e+03	0.62612330	MFI
4224	TRUE	PRN	1.351400e+03	0.10860507	MFI
4225	TRUE	PT	7.783650e+03	0.50489741	MFI
4226	TRUE	TT	7.567000e+03	0.45646620	MFI
4227	TRUE	FIM2/3	4.995500e+02	0.17668801	MFI
4228	TRUE	DT	4.310000e+01	0.47466960	MFI
4229	TRUE	FHA	3.343550e+03	0.61456103	MFI
4230	TRUE	OVA	3.304300e+03	1.09168098	MFI
4231	TRUE	PRN	1.092205e+04	0.87774898	MFI
4232	TRUE	PT	1.750205e+04	1.13529511	MFI
4233	TRUE	TT	2.072875e+04	1.25042603	MFI
4234	TRUE	FIM2/3	7.466600e+03	2.64089414	MFI
4235	TRUE	DT	1.453500e+02	1.60077093	MFI
4236	TRUE	FHA	1.040680e+04	1.91282131	MFI
4237	TRUE	OVA	3.112300e+03	1.02824765	MFI
4238	TRUE	PRN	2.214005e+04	1.77928194	MFI
4239	TRUE	PT	1.970255e+04	1.27803364	MFI
4240	TRUE	TT	2.474300e+04	1.49257873	MFI
4241	TRUE	FIM2/3	1.468360e+04	5.19350617	MFI
4242	TRUE	DT	1.228500e+02	1.35297357	MFI

4243	TRUE	FHA	9.153050e+03	1.68237586	MFI
4244	TRUE	OVA	3.244800e+03	1.07202326	MFI
4245	TRUE	PRN	1.890530e+04	1.51932172	MFI
4246	TRUE	PT	1.826680e+04	1.18490169	MFI
4247	TRUE	TT	2.281650e+04	1.37636595	MFI
4248	TRUE	FIM2/3	1.317560e+04	4.66013511	MFI
4249	TRUE	DT	9.360000e+01	1.03083700	MFI
4250	TRUE	FHA	7.356800e+03	1.35221623	MFI
4251	TRUE	OVA	3.556300e+03	1.17493723	MFI
4252	TRUE	PRN	1.557830e+04	1.25194784	MFI
4253	TRUE	PT	1.610430e+04	1.04462809	MFI
4254	TRUE	TT	2.210225e+04	1.33328005	MFI
4255	TRUE	FIM2/3	1.132660e+04	4.00615428	MFI
4256	TRUE	DT	7.122500e+02	0.30888491	MFI
4257	TRUE	FHA	1.314250e+03	1.02360902	MFI
4258	TRUE	FIM2/3	2.664500e+03	1.11072899	MFI
4259	TRUE	OVA	8.400000e+01	1.22851920	MFI
4260	TRUE	PRN	5.626500e+03	0.58790032	MFI
4261	TRUE	PT	1.725000e+02	1.91933241	MFI
4262	TRUE	TT	1.465000e+02	0.52204900	MFI
4263	TRUE	DT	6.630000e+02	0.28752643	MFI
4264	TRUE	FHA	1.096000e+03	0.85362411	MFI
4265	TRUE	FIM2/3	2.390000e+03	0.99630035	MFI
4266	TRUE	OVA	7.800000e+01	1.14076782	MFI
4267	TRUE	PRN	5.313250e+03	0.55516953	MFI
4268	TRUE	PT	1.600000e+02	1.78025035	MFI
4269	TRUE	TT	1.320000e+02	0.47037862	MFI
4270	TRUE	DT	5.585000e+02	0.24220740	MFI
4271	TRUE	FHA	1.058000e+03	0.82402765	MFI
4272	TRUE	FIM2/3	1.908000e+03	0.79537283	MFI
4273	TRUE	OVA	8.125000e+01	1.18829982	MFI
4274	TRUE	PRN	4.139000e+03	0.43247479	MFI
4275	TRUE	PT	1.405000e+02	1.56328234	MFI
4276	TRUE	TT	1.165000e+02	0.41514477	MFI
4277	TRUE	DT	6.420000e+02	0.27841926	MFI
4278	TRUE	FHA	9.435000e+02	0.73484885	MFI
4279	TRUE	FIM2/3	2.440000e+03	1.01714345	MFI
4280	TRUE	OVA	8.400000e+01	1.22851920	MFI
4281	TRUE	PRN	5.125500e+03	0.53555196	MFI
4282	TRUE	PT	1.477500e+02	1.64394993	MFI
4283	TRUE	TT	1.260000e+02	0.44899777	MFI
4284	TRUE	DT	1.071350e+04	4.64617553	MFI
4285	TRUE	FHA	1.504600e+04	11.71863895	MFI

4286	TRUE	FIM2/3	3.283025e+04	13.68568600	MFI
4287	TRUE	OVA	8.700000e+01	1.27239488	MFI
4288	TRUE	PRN	2.591150e+04	2.70743430	MFI
4289	TRUE	PT	4.842500e+02	5.38803894	MFI
4290	TRUE	TT	1.504250e+03	5.36035635	MFI
4291	TRUE	DT	1.072525e+04	4.65127121	MFI
4292	TRUE	FHA	1.477575e+04	11.50815363	MFI
4293	TRUE	FIM2/3	3.529150e+04	14.71168777	MFI
4294	TRUE	OVA	9.150000e+01	1.33820841	MFI
4295	TRUE	PRN	2.531425e+04	2.64502900	MFI
4296	TRUE	PT	4.272500e+02	4.75382476	MFI
4297	TRUE	TT	1.490000e+03	5.30957684	MFI
4298	TRUE	DT	9.052250e+03	3.92573318	MFI
4299	TRUE	FHA	8.707750e+03	6.78206688	MFI
4300	TRUE	FIM2/3	3.056250e+04	12.74034704	MFI
4301	TRUE	OVA	8.000000e+01	1.17001828	MFI
4302	TRUE	PRN	2.010075e+04	2.10028212	MFI
4303	TRUE	PT	2.872500e+02	3.19610570	MFI
4304	TRUE	TT	1.092500e+03	3.89309577	MFI
4305	TRUE	DT	7.441500e+03	1.04693738	MFI
4306	TRUE	FHA	2.242825e+04	4.00549168	MFI
4307	TRUE	FIM2/3	7.647500e+02	0.38196916	MFI
4308	TRUE	OVA	1.056250e+03	0.64400579	MFI
4309	TRUE	PRN	1.846825e+04	2.35211895	MFI
4310	TRUE	PT	1.330000e+02	1.80033841	MFI
4311	TRUE	TT	6.496250e+03	0.76168841	MFI
4312	TRUE	DT	7.678000e+03	1.08021033	MFI
4313	TRUE	FHA	2.167700e+04	3.87132492	MFI
4314	TRUE	FIM2/3	8.062500e+02	0.40269713	MFI
4315	TRUE	OVA	1.291250e+03	0.78728755	MFI
4316	TRUE	PRN	1.822050e+04	2.32056548	MFI
4317	TRUE	PT	1.347500e+02	1.82402707	MFI
4318	TRUE	TT	6.816500e+03	0.79923787	MFI
4319	TRUE	DT	7.599000e+03	1.06909590	MFI
4320	TRUE	FHA	2.293525e+04	4.09603750	MFI
4321	TRUE	FIM2/3	9.020000e+02	0.45052132	MFI
4322	TRUE	OVA	1.178250e+03	0.71839037	MFI
4323	TRUE	PRN	2.012050e+04	2.56254975	MFI
4324	TRUE	PT	1.115000e+02	1.50930626	MFI
4325	TRUE	TT	7.585250e+03	0.88937418	MFI
4326	TRUE	DT	8.312750e+03	1.16951269	MFI
4327	TRUE	FHA	2.228750e+04	3.98035495	MFI
4328	TRUE	FIM2/3	8.715000e+02	0.43528751	MFI

4329	TRUE	OVA	1.535250e+03	0.93605670	MFI
4330	TRUE	PRN	2.094600e+04	2.66768555	MFI
4331	TRUE	PT	1.440000e+02	1.94923858	MFI
4332	TRUE	TT	7.786750e+03	0.91300015	MFI
4333	TRUE	DT	7.530750e+03	1.05949387	MFI
4334	TRUE	FHA	1.877100e+04	3.35233843	MFI
4335	TRUE	FIM2/3	8.050000e+02	0.40207280	MFI
4336	TRUE	OVA	1.153500e+03	0.70330005	MFI
4337	TRUE	PRN	1.960075e+04	2.49635432	MFI
4338	TRUE	PT	1.075000e+02	1.45516074	MFI
4339	TRUE	TT	7.161750e+03	0.83971860	MFI
4340	TRUE	DT	1.571150e+04	2.21043561	MFI
4341	TRUE	FHA	2.273050e+04	4.05947092	MFI
4342	TRUE	FIM2/3	2.312350e+04	11.54947868	MFI
4343	TRUE	OVA	1.151500e+03	0.70208063	MFI
4344	TRUE	PRN	3.008975e+04	3.83223485	MFI
4345	TRUE	PT	2.637500e+02	3.57021997	MFI
4346	TRUE	TT	2.804650e+04	3.28846548	MFI
4347	TRUE	DT	1.843975e+04	2.59427044	MFI
4348	TRUE	FHA	2.619300e+04	4.67784351	MFI
4349	TRUE	FIM2/3	2.919475e+04	14.58188175	MFI
4350	TRUE	OVA	1.392000e+03	0.84871580	MFI
4351	TRUE	PRN	3.227050e+04	4.10997548	MFI
4352	TRUE	PT	3.205000e+02	4.33840948	MFI
4353	TRUE	TT	2.896700e+04	3.39639455	MFI
4354	TRUE	DT	1.709875e+04	2.40560646	MFI
4355	TRUE	FHA	2.418025e+04	4.31838375	MFI
4356	TRUE	FIM2/3	2.795725e+04	13.96378847	MFI
4357	TRUE	OVA	1.279000e+03	0.77981861	MFI
4358	TRUE	PRN	3.138250e+04	3.99687968	MFI
4359	TRUE	PT	2.662500e+02	3.60406091	MFI
4360	TRUE	TT	2.793950e+04	3.27591968	MFI
4361	TRUE	DT	1.150725e+04	1.61894378	MFI
4362	TRUE	FHA	6.618750e+03	1.18205157	MFI
4363	TRUE	FIM2/3	1.040000e+02	0.05194481	MFI
4364	TRUE	OVA	6.764500e+03	4.12438076	MFI
4365	TRUE	PRN	5.813500e+03	0.74040819	MFI
4366	TRUE	PT	7.000000e+01	0.94754653	MFI
4367	TRUE	TT	2.163750e+04	2.53700718	MFI
4368	TRUE	DT	1.096450e+04	1.54258481	MFI
4369	TRUE	FHA	5.655500e+03	1.01002344	MFI
4370	TRUE	FIM2/3	8.850000e+01	0.04420303	MFI
4371	TRUE	OVA	6.145500e+03	3.74697051	MFI

4372	TRUE	PRN	5.148500e+03	0.65571369	MFI
4373	TRUE	PT	6.050000e+01	0.81895093	MFI
4374	TRUE	TT	2.134200e+04	2.50235967	MFI
4375	TRUE	DT	1.103450e+04	1.55243304	MFI
4376	TRUE	FHA	5.639000e+03	1.00707668	MFI
4377	TRUE	FIM2/3	8.175000e+01	0.04083162	MFI
4378	TRUE	OVA	6.202000e+03	3.78141910	MFI
4379	TRUE	PRN	5.252000e+03	0.66889547	MFI
4380	TRUE	PT	5.400000e+01	0.73096447	MFI
4381	TRUE	TT	2.140950e+04	2.51027407	MFI
4382	TRUE	DT	1.159700e+04	1.63157062	MFI
4383	TRUE	FHA	6.388500e+03	1.14093091	MFI
4384	TRUE	FIM2/3	9.550000e+01	0.04769932	MFI
4385	TRUE	OVA	6.784000e+03	4.13627010	MFI
4386	TRUE	PRN	5.878500e+03	0.74868660	MFI
4387	TRUE	PT	6.000000e+01	0.81218274	MFI
4388	TRUE	TT	2.153850e+04	2.52539938	MFI
4389	TRUE	DT	1.131025e+04	1.59122804	MFI
4390	TRUE	FHA	6.454000e+03	1.15262864	MFI
4391	TRUE	FIM2/3	1.285000e+02	0.06418181	MFI
4392	TRUE	OVA	5.672000e+03	3.45827300	MFI
4393	TRUE	PRN	5.930500e+03	0.75530933	MFI
4394	TRUE	PT	8.950000e+01	1.21150592	MFI
4395	TRUE	TT	2.228800e+04	2.61327862	MFI
4396	TRUE	DT	2.313850e+04	3.25533299	MFI
4397	TRUE	FHA	1.382575e+04	2.46915950	MFI
4398	TRUE	FIM2/3	2.630250e+03	1.31372916	MFI
4399	TRUE	OVA	6.870250e+03	4.18885756	MFI
4400	TRUE	PRN	2.661600e+04	3.38981756	MFI
4401	TRUE	PT	1.235000e+02	1.67174281	MFI
4402	TRUE	TT	2.704650e+04	3.17121501	MFI
4403	TRUE	DT	2.367925e+04	3.33141058	MFI
4404	TRUE	FHA	2.124875e+04	3.79484317	MFI
4405	TRUE	FIM2/3	2.427000e+03	1.21221202	MFI
4406	TRUE	OVA	6.539000e+03	3.98689124	MFI
4407	TRUE	PRN	2.847950e+04	3.62715318	MFI
4408	TRUE	PT	1.420000e+02	1.92216582	MFI
4409	TRUE	TT	2.802775e+04	3.28626704	MFI
4410	TRUE	DT	2.248950e+04	3.16402582	MFI
4411	TRUE	FHA	1.653375e+04	2.95278491	MFI
4412	TRUE	FIM2/3	2.762500e+03	1.37978398	MFI
4413	TRUE	OVA	5.628750e+03	3.43190306	MFI
4414	TRUE	PRN	2.933925e+04	3.73665107	MFI

4415	TRUE	PT	1.240000e+02	1.67851100	MFI
4416	TRUE	TT	2.852650e+04	3.34474571	MFI
4417	TRUE	DT	4.923750e+03	0.69271758	MFI
4418	TRUE	FHA	5.970000e+03	1.06619042	MFI
4419	TRUE	FIM2/3	1.162500e+03	0.58063308	MFI
4420	TRUE	OVA	5.330500e+03	3.25005716	MFI
4421	TRUE	PRN	9.388250e+03	1.19568886	MFI
4422	TRUE	PT	8.000000e+01	1.08291032	MFI
4423	TRUE	TT	9.172750e+03	1.07550931	MFI
4424	TRUE	DT	4.904750e+03	0.69004449	MFI
4425	TRUE	FHA	6.081000e+03	1.08601406	MFI
4426	TRUE	FIM2/3	1.235000e+03	0.61684460	MFI
4427	TRUE	OVA	5.220000e+03	3.18268425	MFI
4428	TRUE	PRN	9.461000e+03	1.20495431	MFI
4429	TRUE	PT	1.165000e+02	1.57698816	MFI
4430	TRUE	TT	9.198000e+03	1.07846988	MFI
4431	TRUE	DT	4.627250e+03	0.65100329	MFI
4432	TRUE	FHA	5.775000e+03	1.03136511	MFI
4433	TRUE	FIM2/3	1.096500e+03	0.54766810	MFI
4434	TRUE	OVA	4.999000e+03	3.04793842	MFI
4435	TRUE	PRN	8.758250e+03	1.11545197	MFI
4436	TRUE	PT	1.385000e+02	1.87478849	MFI
4437	TRUE	TT	8.463500e+03	0.99234941	MFI
4438	TRUE	DT	4.855500e+03	0.68311556	MFI
4439	TRUE	FHA	5.712000e+03	1.02011385	MFI
4440	TRUE	FIM2/3	1.308250e+03	0.65343073	MFI
4441	TRUE	OVA	5.169250e+03	3.15174148	MFI
4442	TRUE	PRN	9.421500e+03	1.19992358	MFI
4443	TRUE	PT	1.400000e+02	1.89509306	MFI
4444	TRUE	TT	9.234000e+03	1.08269090	MFI
4445	TRUE	DT	5.246000e+03	0.73805462	MFI
4446	TRUE	FHA	6.265000e+03	1.11887487	MFI
4447	TRUE	FIM2/3	1.370000e+03	0.68427296	MFI
4448	TRUE	OVA	5.469000e+03	3.33450194	MFI
4449	TRUE	PRN	1.020500e+04	1.29971026	MFI
4450	TRUE	PT	1.665000e+02	2.25380711	MFI
4451	TRUE	TT	1.005400e+04	1.17883629	MFI
4452	TRUE	DT	2.113350e+04	2.97325150	MFI
4453	TRUE	FHA	1.248375e+04	2.22948990	MFI
4454	TRUE	FIM2/3	2.690450e+04	13.43797215	MFI
4455	TRUE	OVA	4.727500e+03	2.88240226	MFI
4456	TRUE	PRN	2.957825e+04	3.76709014	MFI
4457	TRUE	PT	2.390000e+02	3.23519459	MFI

4458	TRUE	TT	2.725050e+04	3.19513411	MFI
4459	TRUE	DT	1.986300e+04	2.79450609	MFI
4460	TRUE	FHA	1.521275e+04	2.71686572	MFI
4461	TRUE	FIM2/3	2.806225e+04	14.01623275	MFI
4462	TRUE	OVA	4.471500e+03	2.72631659	MFI
4463	TRUE	PRN	2.972975e+04	3.78638520	MFI
4464	TRUE	PT	2.677500e+02	3.62436548	MFI
4465	TRUE	TT	2.785625e+04	3.26615858	MFI
4466	TRUE	DT	1.557750e+04	2.19158328	MFI
4467	TRUE	FHA	1.416550e+04	2.52983592	MFI
4468	TRUE	FIM2/3	2.487300e+04	12.42330024	MFI
4469	TRUE	OVA	4.181000e+03	2.54919595	MFI
4470	TRUE	PRN	2.851625e+04	3.63183367	MFI
4471	TRUE	PT	2.037500e+02	2.75803723	MFI
4472	TRUE	TT	2.664900e+04	3.12460794	MFI
4473	TRUE	DT	5.167750e+03	0.72704571	MFI
4474	TRUE	FHA	3.951000e+03	0.70561447	MFI
4475	TRUE	FIM2/3	1.332750e+03	0.66566773	MFI
4476	TRUE	OVA	1.672000e+03	1.01943449	MFI
4477	TRUE	PRN	2.098500e+03	0.26726526	MFI
4478	TRUE	PT	1.215000e+02	1.64467005	MFI
4479	TRUE	TT	3.440500e+03	0.40340026	MFI
4480	TRUE	DT	5.046500e+03	0.70998716	MFI
4481	TRUE	FHA	3.544000e+03	0.63292778	MFI
4482	TRUE	FIM2/3	1.310000e+03	0.65430480	MFI
4483	TRUE	OVA	1.602500e+03	0.97705968	MFI
4484	TRUE	PRN	1.937000e+03	0.24669660	MFI
4485	TRUE	PT	1.565000e+02	2.11844332	MFI
4486	TRUE	TT	3.367000e+03	0.39478235	MFI
4487	TRUE	DT	4.804750e+03	0.67597559	MFI
4488	TRUE	FHA	3.601500e+03	0.64319679	MFI
4489	TRUE	FIM2/3	1.225000e+03	0.61184991	MFI
4490	TRUE	OVA	1.425500e+03	0.86914107	MFI
4491	TRUE	PRN	1.900250e+03	0.24201611	MFI
4492	TRUE	PT	1.642500e+02	2.22335025	MFI
4493	TRUE	TT	3.146750e+03	0.36895794	MFI
4494	TRUE	DT	5.404500e+03	0.76035383	MFI
4495	TRUE	FHA	4.498750e+03	0.80343788	MFI
4496	TRUE	FIM2/3	1.413250e+03	0.70587501	MFI
4497	TRUE	OVA	1.663750e+03	1.01440439	MFI
4498	TRUE	PRN	2.130500e+03	0.27134078	MFI
4499	TRUE	PT	1.775000e+02	2.40270728	MFI
4500	TRUE	TT	3.639500e+03	0.42673311	MFI

4501	TRUE	DT	4.732500e+03	0.66581081	MFI
4502	TRUE	FHA	3.556250e+03	0.63511553	MFI
4503	TRUE	FIM2/3	1.214000e+03	0.60635575	MFI
4504	TRUE	OVA	1.294250e+03	0.78911668	MFI
4505	TRUE	PRN	1.788000e+03	0.22771994	MFI
4506	TRUE	PT	1.735000e+02	2.34856176	MFI
4507	TRUE	TT	3.030500e+03	0.35532757	MFI
4508	TRUE	DT	2.418750e+04	3.40291578	MFI
4509	TRUE	FHA	9.411750e+03	1.68085724	MFI
4510	TRUE	FIM2/3	1.575975e+04	7.87151152	MFI
4511	TRUE	OVA	1.405000e+03	0.85664202	MFI
4512	TRUE	PRN	1.828450e+04	2.32871653	MFI
4513	TRUE	PT	1.540000e+02	2.08460237	MFI
4514	TRUE	TT	2.684800e+04	3.14794079	MFI
4515	TRUE	DT	2.555600e+04	3.59544871	MFI
4516	TRUE	FHA	2.381625e+04	4.25337649	MFI
4517	TRUE	FIM2/3	2.034375e+04	10.16107885	MFI
4518	TRUE	OVA	1.365500e+03	0.83255849	MFI
4519	TRUE	PRN	2.930500e+04	3.73228898	MFI
4520	TRUE	PT	1.752500e+02	2.37225042	MFI
4521	TRUE	TT	2.743750e+04	3.21705994	MFI
4522	TRUE	DT	2.627425e+04	3.69649860	MFI
4523	TRUE	FHA	2.500950e+04	4.46648063	MFI
4524	TRUE	FIM2/3	1.834125e+04	9.16089155	MFI
4525	TRUE	OVA	1.300000e+03	0.79262251	MFI
4526	TRUE	PRN	2.951050e+04	3.75846149	MFI
4527	TRUE	PT	1.812500e+02	2.45346870	MFI
4528	TRUE	TT	2.921375e+04	3.42532610	MFI
4529	TRUE	DT	1.444800e+04	2.03267503	MFI
4530	TRUE	FHA	2.154000e+03	0.38468579	MFI
4531	TRUE	FIM2/3	4.745000e+02	0.23699819	MFI
4532	TRUE	OVA	1.450000e+02	0.08840790	MFI
4533	TRUE	PRN	1.052700e+04	1.34072022	MFI
4534	TRUE	PT	4.700000e+01	0.63620981	MFI
4535	TRUE	TT	7.099250e+03	0.83239044	MFI
4536	TRUE	DT	1.398400e+04	1.96739532	MFI
4537	TRUE	FHA	1.802500e+03	0.32191093	MFI
4538	TRUE	FIM2/3	5.722500e+02	0.28582131	MFI
4539	TRUE	OVA	2.082500e+02	0.12697203	MFI
4540	TRUE	PRN	9.347000e+03	1.19043525	MFI
4541	TRUE	PT	4.900000e+01	0.66328257	MFI
4542	TRUE	TT	7.291500e+03	0.85493185	MFI
4543	TRUE	DT	1.279250e+04	1.79976435	MFI

4544	TRUE	FHA	1.674250e+03	0.29900659	MFI
4545	TRUE	FIM2/3	3.632500e+02	0.18143223	MFI
4546	TRUE	OVA	1.200000e+02	0.07316516	MFI
4547	TRUE	PRN	8.275500e+03	1.05396886	MFI
4548	TRUE	PT	4.550000e+01	0.61590525	MFI
4549	TRUE	TT	5.429000e+03	0.63655284	MFI
4550	TRUE	DT	1.264950e+04	1.77964582	MFI
4551	TRUE	FHA	1.742500e+03	0.31119545	MFI
4552	TRUE	FIM2/3	3.697500e+02	0.18467878	MFI
4553	TRUE	OVA	1.142500e+02	0.06965932	MFI
4554	TRUE	PRN	7.776250e+03	0.99038431	MFI
4555	TRUE	PT	4.350000e+01	0.58883249	MFI
4556	TRUE	TT	5.226000e+03	0.61275099	MFI
4557	TRUE	DT	1.241100e+04	1.74609148	MFI
4558	TRUE	FHA	1.629500e+03	0.29101462	MFI
4559	TRUE	FIM2/3	5.635000e+02	0.28145096	MFI
4560	TRUE	OVA	1.205000e+02	0.07347001	MFI
4561	TRUE	PRN	7.710500e+03	0.98201038	MFI
4562	TRUE	PT	5.350000e+01	0.72419628	MFI
4563	TRUE	TT	5.357750e+03	0.62819874	MFI
4564	TRUE	DT	1.627900e+04	2.29027663	MFI
4565	TRUE	FHA	3.245750e+03	0.57966291	MFI
4566	TRUE	FIM2/3	1.724900e+04	8.61534619	MFI
4567	TRUE	OVA	1.310000e+02	0.07987196	MFI
4568	TRUE	PRN	3.063250e+04	3.90135957	MFI
4569	TRUE	PT	6.250000e+01	0.84602369	MFI
4570	TRUE	TT	2.620250e+04	3.07225561	MFI
4571	TRUE	DT	2.111925e+04	2.97124668	MFI
4572	TRUE	FHA	1.647175e+04	2.94171224	MFI
4573	TRUE	FIM2/3	1.723800e+04	8.60985203	MFI
4574	TRUE	OVA	1.235000e+02	0.07529914	MFI
4575	TRUE	PRN	3.472825e+04	4.42299487	MFI
4576	TRUE	PT	6.750000e+01	0.91370558	MFI
4577	TRUE	TT	3.142325e+04	3.68439103	MFI
4578	TRUE	DT	1.387075e+04	1.95146229	MFI
4579	TRUE	FHA	1.143450e+04	2.04210291	MFI
4580	TRUE	FIM2/3	1.109375e+04	5.54098770	MFI
4581	TRUE	OVA	1.205000e+02	0.07347001	MFI
4582	TRUE	PRN	2.459700e+04	3.13267743	MFI
4583	TRUE	PT	7.675000e+01	1.03891709	MFI
4584	TRUE	TT	2.181300e+04	2.55758464	MFI
4585	TRUE	DT	2.502750e+03	0.35210946	MFI
4586	TRUE	FHA	7.403750e+03	1.32224579	MFI

4587	TRUE	FIM2/3	7.242500e+03	3.61740651	MFI
4588	TRUE	OVA	3.897000e+03	2.37603841	MFI
4589	TRUE	PRN	1.764000e+03	0.22466329	MFI
4590	TRUE	PT	6.675000e+01	0.90355330	MFI
4591	TRUE	TT	2.816000e+04	3.30177341	MFI
4592	TRUE	DT	3.019250e+03	0.42477534	MFI
4593	TRUE	FHA	8.480750e+03	1.51458868	MFI
4594	TRUE	FIM2/3	9.015000e+03	4.50271586	MFI
4595	TRUE	OVA	4.026500e+03	2.45499581	MFI
4596	TRUE	PRN	2.023000e+03	0.25764957	MFI
4597	TRUE	PT	7.825000e+01	1.05922166	MFI
4598	TRUE	TT	2.910650e+04	3.41275099	MFI
4599	TRUE	DT	2.503750e+03	0.35225015	MFI
4600	TRUE	FHA	7.754000e+03	1.38479741	MFI
4601	TRUE	FIM2/3	7.553250e+03	3.77261659	MFI
4602	TRUE	OVA	3.930000e+03	2.39615883	MFI
4603	TRUE	PRN	1.814750e+03	0.23112682	MFI
4604	TRUE	PT	7.500000e+01	1.01522843	MFI
4605	TRUE	TT	2.870250e+04	3.36538180	MFI
4606	TRUE	DT	1.904250e+03	0.26790707	MFI
4607	TRUE	FHA	6.156750e+03	1.09954236	MFI
4608	TRUE	FIM2/3	5.878250e+03	2.93600549	MFI
4609	TRUE	OVA	2.875750e+03	1.75337246	MFI
4610	TRUE	PRN	1.344750e+03	0.17126755	MFI
4611	TRUE	PT	5.800000e+01	0.78510998	MFI
4612	TRUE	TT	2.518750e+04	2.95324637	MFI
4613	TRUE	DT	1.295750e+03	0.18229780	MFI
4614	TRUE	FHA	4.415000e+03	0.78848086	MFI
4615	TRUE	FIM2/3	3.977250e+03	1.98651433	MFI
4616	TRUE	OVA	1.887500e+03	1.15082692	MFI
4617	TRUE	PRN	9.252500e+02	0.11783997	MFI
4618	TRUE	PT	5.675000e+01	0.76818951	MFI
4619	TRUE	TT	1.571900e+04	1.84306024	MFI
4620	TRUE	DT	3.278750e+03	0.46128414	MFI
4621	TRUE	FHA	9.471500e+03	1.69152807	MFI
4622	TRUE	FIM2/3	9.524250e+03	4.75707061	MFI
4623	TRUE	OVA	3.188750e+03	1.94421157	MFI
4624	TRUE	PRN	7.757500e+03	0.98799631	MFI
4625	TRUE	PT	7.000000e+01	0.94754653	MFI
4626	TRUE	TT	2.791000e+04	3.27246079	MFI
4627	TRUE	DT	4.461750e+03	0.62771926	MFI
4628	TRUE	FHA	1.453650e+04	2.59609331	MFI
4629	TRUE	FIM2/3	1.029400e+04	5.14153712	MFI

4630	TRUE	OVA	2.623250e+03	1.59942078	MFI
4631	TRUE	PRN	1.408650e+04	1.79405865	MFI
4632	TRUE	PT	9.875000e+01	1.33671743	MFI
4633	TRUE	TT	2.867200e+04	3.36180566	MFI
4634	TRUE	DT	6.062750e+03	0.85296238	MFI
4635	TRUE	FHA	2.015425e+04	3.59937493	MFI
4636	TRUE	FIM2/3	1.352375e+04	6.75469813	MFI
4637	TRUE	OVA	4.539000e+03	2.76747199	MFI
4638	TRUE	PRN	1.532425e+04	1.95169867	MFI
4639	TRUE	PT	1.200000e+02	1.62436548	MFI
4640	TRUE	TT	3.009575e+04	3.52874102	MFI
4641	TRUE	DT	1.188975e+04	1.67275733	MFI
4642	TRUE	FHA	8.020750e+03	1.43243666	MFI
4643	TRUE	FIM2/3	3.983250e+03	1.98951114	MFI
4644	TRUE	OVA	4.162000e+03	2.53761146	MFI
4645	TRUE	PRN	2.836725e+04	3.61285701	MFI
4646	TRUE	PT	7.675000e+01	1.03891709	MFI
4647	TRUE	TT	2.195700e+04	2.57446871	MFI
4648	TRUE	DT	1.130050e+04	1.58985632	MFI
4649	TRUE	FHA	7.731500e+03	1.38077910	MFI
4650	TRUE	FIM2/3	3.564500e+03	1.78035837	MFI
4651	TRUE	OVA	3.573000e+03	2.17849249	MFI
4652	TRUE	PRN	2.764875e+04	3.52134874	MFI
4653	TRUE	PT	6.950000e+01	0.94077834	MFI
4654	TRUE	TT	2.155800e+04	2.52768577	MFI
4655	TRUE	DT	1.135700e+04	1.59780525	MFI
4656	TRUE	FHA	6.008000e+03	1.07297689	MFI
4657	TRUE	FIM2/3	2.853000e+03	1.42498595	MFI
4658	TRUE	OVA	3.313000e+03	2.01996799	MFI
4659	TRUE	PRN	2.671950e+04	3.40299933	MFI
4660	TRUE	PT	7.375000e+01	0.99830795	MFI
4661	TRUE	TT	2.072100e+04	2.42954712	MFI
4662	TRUE	DT	1.025950e+04	1.44339905	MFI
4663	TRUE	FHA	6.096250e+03	1.08873758	MFI
4664	TRUE	FIM2/3	2.770250e+03	1.38365487	MFI
4665	TRUE	OVA	2.955000e+03	1.80169194	MFI
4666	TRUE	PRN	2.473725e+04	3.15053969	MFI
4667	TRUE	PT	6.750000e+01	0.91370558	MFI
4668	TRUE	TT	1.889450e+04	2.21538913	MFI
4669	TRUE	DT	8.946500e+03	1.25867436	MFI
4670	TRUE	FHA	4.585500e+03	0.81893068	MFI
4671	TRUE	FIM2/3	2.240000e+03	1.11881126	MFI
4672	TRUE	OVA	2.352250e+03	1.43418947	MFI

4673	TRUE	PRN	2.238275e+04	2.85067023	MFI
4674	TRUE	PT	6.300000e+01	0.85279188	MFI
4675	TRUE	TT	1.658875e+04	1.94503884	MFI
4676	TRUE	DT	1.427675e+04	2.00858203	MFI
4677	TRUE	FHA	6.237500e+03	1.11396361	MFI
4678	TRUE	FIM2/3	5.193750e+03	2.59411875	MFI
4679	TRUE	OVA	2.431750e+03	1.48266138	MFI
4680	TRUE	PRN	2.319000e+04	2.95348171	MFI
4681	TRUE	PT	9.375000e+01	1.26903553	MFI
4682	TRUE	TT	2.822850e+04	3.30980507	MFI
4683	TRUE	DT	2.004875e+04	2.82063908	MFI
4684	TRUE	FHA	1.741625e+04	3.11039178	MFI
4685	TRUE	FIM2/3	1.206575e+04	6.02647187	MFI
4686	TRUE	OVA	3.354500e+03	2.04527094	MFI
4687	TRUE	PRN	3.044700e+04	3.87773426	MFI
4688	TRUE	PT	1.210000e+02	1.63790186	MFI
4689	TRUE	TT	3.196400e+04	3.74779423	MFI
4690	TRUE	DT	1.919300e+04	2.70024445	MFI
4691	TRUE	FHA	1.789625e+04	3.19611564	MFI
4692	TRUE	FIM2/3	1.162300e+04	5.80533183	MFI
4693	TRUE	OVA	3.463500e+03	2.11172929	MFI
4694	TRUE	PRN	3.031750e+04	3.86124112	MFI
4695	TRUE	PT	1.195000e+02	1.61759729	MFI
4696	TRUE	TT	3.181150e+04	3.72991353	MFI
4697	TRUE	DT	3.909250e+03	0.54998857	MFI
4698	TRUE	FHA	5.033250e+03	0.89889497	MFI
4699	TRUE	FIM2/3	6.106000e+03	3.04975963	MFI
4700	TRUE	OVA	9.342500e+02	0.56962122	MFI
4701	TRUE	PRN	5.058500e+03	0.64425128	MFI
4702	TRUE	PT	5.175000e+01	0.70050761	MFI
4703	TRUE	TT	1.185125e+04	1.38956471	MFI
4704	TRUE	DT	4.223750e+03	0.59423527	MFI
4705	TRUE	FHA	5.499000e+03	0.98207389	MFI
4706	TRUE	FIM2/3	6.655750e+03	3.32434289	MFI
4707	TRUE	OVA	9.712500e+02	0.59218047	MFI
4708	TRUE	PRN	5.302250e+03	0.67529532	MFI
4709	TRUE	PT	4.975000e+01	0.67343486	MFI
4710	TRUE	TT	1.289700e+04	1.51217939	MFI
4711	TRUE	DT	4.075000e+03	0.57330777	MFI
4712	TRUE	FHA	5.209750e+03	0.93041634	MFI
4713	TRUE	FIM2/3	6.309000e+03	3.15115190	MFI
4714	TRUE	OVA	8.740000e+02	0.53288621	MFI
4715	TRUE	PRN	4.979500e+03	0.63418983	MFI

4716	TRUE	PT	4.900000e+01	0.66328257	MFI
4717	TRUE	TT	1.255175e+04	1.47169867	MFI
4718	TRUE	DT	4.174000e+03	0.58723599	MFI
4719	TRUE	FHA	5.513000e+03	0.98457417	MFI
4720	TRUE	FIM2/3	6.996750e+03	3.49466192	MFI
4721	TRUE	OVA	8.855000e+02	0.53989787	MFI
4722	TRUE	PRN	5.483250e+03	0.69834750	MFI
4723	TRUE	PT	4.975000e+01	0.67343486	MFI
4724	TRUE	TT	1.317950e+04	1.54530265	MFI
4725	TRUE	DT	3.570750e+03	0.50236533	MFI
4726	TRUE	FHA	4.428500e+03	0.79089184	MFI
4727	TRUE	FIM2/3	5.736250e+03	2.86508085	MFI
4728	TRUE	OVA	7.565000e+02	0.46124533	MFI
4729	TRUE	PRN	4.437000e+03	0.56509695	MFI
4730	TRUE	PT	4.500000e+01	0.60913706	MFI
4731	TRUE	TT	1.141100e+04	1.33794519	MFI
4732	TRUE	DT	1.499350e+04	2.10942089	MFI
4733	TRUE	FHA	1.654650e+04	2.95506195	MFI
4734	TRUE	FIM2/3	1.916775e+04	9.57370294	MFI
4735	TRUE	OVA	6.675000e+02	0.40698118	MFI
4736	TRUE	PRN	3.015850e+04	3.84099086	MFI
4737	TRUE	PT	8.900000e+01	1.20473773	MFI
4738	TRUE	TT	3.035375e+04	3.55899165	MFI
4739	TRUE	DT	2.110200e+04	2.96881979	MFI
4740	TRUE	FHA	2.546175e+04	4.54724858	MFI
4741	TRUE	FIM2/3	2.362475e+04	11.79983767	MFI
4742	TRUE	OVA	9.055000e+02	0.55209207	MFI
4743	TRUE	PRN	3.642800e+04	4.63947528	MFI
4744	TRUE	PT	1.390000e+02	1.88155668	MFI
4745	TRUE	TT	3.173900e+04	3.72141287	MFI
4746	TRUE	DT	1.853350e+04	2.60746004	MFI
4747	TRUE	FHA	2.172175e+04	3.87931689	MFI
4748	TRUE	FIM2/3	1.822250e+04	9.10157957	MFI
4749	TRUE	OVA	6.610000e+02	0.40301806	MFI
4750	TRUE	PRN	3.584850e+04	4.56567007	MFI
4751	TRUE	PT	1.165000e+02	1.57698816	MFI
4752	TRUE	TT	3.034650e+04	3.55814158	MFI
4753	TRUE	DT	1.577950e+04	2.22000246	MFI
4754	TRUE	FHA	9.170000e+03	1.63768278	MFI
4755	TRUE	FIM2/3	1.590200e+04	7.94256103	MFI
4756	TRUE	OVA	4.071000e+03	2.48212789	MFI
4757	TRUE	PRN	2.826750e+04	3.60015283	MFI
4758	TRUE	PT	1.077500e+02	1.45854484	MFI

4759	TRUE	TT	2.127175e+04	2.49412282	MFI
4760	TRUE	DT	1.568700e+04	2.20698873	MFI
4761	TRUE	FHA	8.470500e+03	1.51275812	MFI
4762	TRUE	FIM2/3	1.607925e+04	8.03109196	MFI
4763	TRUE	OVA	3.569500e+03	2.17635851	MFI
4764	TRUE	PRN	2.836850e+04	3.61301621	MFI
4765	TRUE	PT	8.450000e+01	1.14382403	MFI
4766	TRUE	TT	2.085100e+04	2.44478968	MFI
4767	TRUE	DT	1.535725e+04	2.16059652	MFI
4768	TRUE	FHA	6.727000e+03	1.20138408	MFI
4769	TRUE	FIM2/3	1.309175e+04	6.53892739	MFI
4770	TRUE	OVA	3.110000e+03	1.89619694	MFI
4771	TRUE	PRN	2.468225e+04	3.14353488	MFI
4772	TRUE	PT	8.350000e+01	1.13028765	MFI
4773	TRUE	TT	2.081375e+04	2.44042210	MFI
4774	TRUE	DT	1.530650e+04	2.15345655	MFI
4775	TRUE	FHA	8.697250e+03	1.55325371	MFI
4776	TRUE	FIM2/3	1.516750e+04	7.57570082	MFI
4777	TRUE	OVA	3.489250e+03	2.12742931	MFI
4778	TRUE	PRN	2.653750e+04	3.37981979	MFI
4779	TRUE	PT	8.650000e+01	1.17089679	MFI
4780	TRUE	TT	2.067050e+04	2.42362597	MFI
4781	TRUE	DT	1.502975e+04	2.11452087	MFI
4782	TRUE	FHA	7.686250e+03	1.37269785	MFI
4783	TRUE	FIM2/3	1.373150e+04	6.85846288	MFI
4784	TRUE	OVA	3.144500e+03	1.91723192	MFI
4785	TRUE	PRN	2.528700e+04	3.22055593	MFI
4786	TRUE	PT	9.000000e+01	1.21827411	MFI
4787	TRUE	TT	2.067700e+04	2.42438810	MFI
4788	TRUE	DT	1.904000e+04	2.67871903	MFI
4789	TRUE	FHA	1.201600e+04	2.14595379	MFI
4790	TRUE	FIM2/3	1.712500e+04	8.55341200	MFI
4791	TRUE	OVA	3.041000e+03	1.85412697	MFI
4792	TRUE	PRN	3.045125e+04	3.87827554	MFI
4793	TRUE	PT	1.645000e+02	2.22673435	MFI
4794	TRUE	TT	2.389450e+04	2.80164151	MFI
4795	TRUE	DT	2.347325e+04	3.30242864	MFI
4796	TRUE	FHA	2.718600e+04	4.85518473	MFI
4797	TRUE	FIM2/3	2.397700e+04	11.97577574	MFI
4798	TRUE	OVA	3.657500e+03	2.23001296	MFI
4799	TRUE	PRN	3.443700e+04	4.38590123	MFI
4800	TRUE	PT	2.935000e+02	3.97292724	MFI
4801	TRUE	TT	2.716850e+04	3.18551957	MFI

4802	TRUE	DT	2.242500e+04	3.15495137	MFI
4803	TRUE	FHA	2.505700e+04	4.47496372	MFI
4804	TRUE	FIM2/3	2.293550e+04	11.45557845	MFI
4805	TRUE	OVA	3.486000e+03	2.12544776	MFI
4806	TRUE	PRN	3.500725e+04	4.45852835	MFI
4807	TRUE	PT	2.275000e+02	3.07952623	MFI
4808	TRUE	TT	2.835100e+04	3.32416825	MFI
4809	TRUE	DT	2.017525e+04	2.83843624	MFI
4810	TRUE	FHA	5.807500e+03	1.03716933	MFI
4811	TRUE	FIM2/3	1.553250e+03	0.77580071	MFI
4812	TRUE	OVA	8.894000e+03	5.42275741	MFI
4813	TRUE	PRN	2.625075e+04	3.34329926	MFI
4814	TRUE	PT	5.750000e+01	0.77834179	MFI
4815	TRUE	TT	2.403050e+04	2.81758757	MFI
4816	TRUE	DT	2.005375e+04	2.82134253	MFI
4817	TRUE	FHA	5.924500e+03	1.05806452	MFI
4818	TRUE	FIM2/3	1.635750e+03	0.81700693	MFI
4819	TRUE	OVA	9.032500e+03	5.50720219	MFI
4820	TRUE	PRN	2.630200e+04	3.34982647	MFI
4821	TRUE	PT	5.625000e+01	0.76142132	MFI
4822	TRUE	TT	2.392300e+04	2.80498315	MFI
4823	TRUE	DT	1.979000e+04	2.78423579	MFI
4824	TRUE	FHA	4.378750e+03	0.78200692	MFI
4825	TRUE	FIM2/3	1.417500e+03	0.70799775	MFI
4826	TRUE	OVA	9.558750e+03	5.82806189	MFI
4827	TRUE	PRN	2.635500e+04	3.35657656	MFI
4828	TRUE	PT	5.250000e+01	0.71065990	MFI
4829	TRUE	TT	2.301800e+04	2.69887146	MFI
4830	TRUE	DT	1.987800e+04	2.79661643	MFI
4831	TRUE	FHA	4.560500e+03	0.81446590	MFI
4832	TRUE	FIM2/3	1.218750e+03	0.60872823	MFI
4833	TRUE	OVA	8.835750e+03	5.38724183	MFI
4834	TRUE	PRN	2.532575e+04	3.22549113	MFI
4835	TRUE	PT	5.650000e+01	0.76480541	MFI
4836	TRUE	TT	2.236850e+04	2.62271728	MFI
4837	TRUE	DT	2.029800e+04	2.85570582	MFI
4838	TRUE	FHA	4.676500e+03	0.83518250	MFI
4839	TRUE	FIM2/3	1.404500e+03	0.70150465	MFI
4840	TRUE	OVA	9.276750e+03	5.65612377	MFI
4841	TRUE	PRN	2.634100e+04	3.35479352	MFI
4842	TRUE	PT	6.700000e+01	0.90693739	MFI
4843	TRUE	TT	2.393500e+04	2.80639015	MFI
4844	TRUE	DT	2.014150e+04	2.83368799	MFI

4845	TRUE	FHA	6.776500e+03	1.21022436	MFI
4846	TRUE	FIM2/3	7.307750e+03	3.64999688	MFI
4847	TRUE	OVA	8.377500e+03	5.10784239	MFI
4848	TRUE	PRN	2.606625e+04	3.31980132	MFI
4849	TRUE	PT	7.200000e+01	0.97461929	MFI
4850	TRUE	TT	2.508975e+04	2.94178514	MFI
4851	TRUE	DT	2.123250e+04	2.98717971	MFI
4852	TRUE	FHA	1.552050e+04	2.77182721	MFI
4853	TRUE	FIM2/3	2.005075e+04	10.01473434	MFI
4854	TRUE	OVA	8.127000e+03	4.95511013	MFI
4855	TRUE	PRN	2.771350e+04	3.52959531	MFI
4856	TRUE	PT	1.122500e+02	1.51945854	MFI
4857	TRUE	TT	2.752850e+04	3.22772974	MFI
4858	TRUE	DT	2.250225e+04	3.16581960	MFI
4859	TRUE	FHA	1.584800e+04	2.83031588	MFI
4860	TRUE	FIM2/3	2.412425e+04	12.04932259	MFI
4861	TRUE	OVA	9.423500e+03	5.74559866	MFI
4862	TRUE	PRN	3.028975e+04	3.85770688	MFI
4863	TRUE	PT	1.230000e+02	1.66497462	MFI
4864	TRUE	TT	2.956775e+04	3.46683277	MFI
4865	TRUE	DT	9.014000e+03	1.26817087	MFI
4866	TRUE	FHA	5.563500e+03	0.99359303	MFI
4867	TRUE	FIM2/3	9.368000e+03	4.67902853	MFI
4868	TRUE	OVA	5.296000e+03	3.22902218	MFI
4869	TRUE	PRN	1.931300e+04	2.45970643	MFI
4870	TRUE	PT	7.800000e+01	1.05583756	MFI
4871	TRUE	TT	8.956000e+03	1.05009527	MFI
4872	TRUE	DT	8.787000e+03	1.23623446	MFI
4873	TRUE	FHA	5.585750e+03	0.99756669	MFI
4874	TRUE	FIM2/3	1.009275e+04	5.04101892	MFI
4875	TRUE	OVA	5.504750e+03	3.35629906	MFI
4876	TRUE	PRN	2.015475e+04	2.56691183	MFI
4877	TRUE	PT	7.550000e+01	1.02199662	MFI
4878	TRUE	TT	9.163000e+03	1.07436611	MFI
4879	TRUE	DT	9.248000e+03	1.30109210	MFI
4880	TRUE	FHA	5.425000e+03	0.96885813	MFI
4881	TRUE	FIM2/3	8.531750e+03	4.26134732	MFI
4882	TRUE	OVA	5.565500e+03	3.39333892	MFI
4883	TRUE	PRN	1.876650e+04	2.39010412	MFI
4884	TRUE	PT	8.650000e+01	1.17089679	MFI
4885	TRUE	TT	8.618750e+03	1.01055254	MFI
4886	TRUE	DT	8.940500e+03	1.25783022	MFI
4887	TRUE	FHA	5.499000e+03	0.98207389	MFI

4888	TRUE	FIM2/3	9.170250e+03	4.58025848	MFI
4889	TRUE	OVA	5.724500e+03	3.49028275	MFI
4890	TRUE	PRN	1.870425e+04	2.38217595	MFI
4891	TRUE	PT	7.500000e+01	1.01522843	MFI
4892	TRUE	TT	9.151500e+03	1.07301773	MFI
4893	TRUE	DT	9.016000e+03	1.26845224	MFI
4894	TRUE	FHA	6.124500e+03	1.09378279	MFI
4895	TRUE	FIM2/3	8.419750e+03	4.20540676	MFI
4896	TRUE	OVA	6.054250e+03	3.69133450	MFI
4897	TRUE	PRN	1.718925e+04	2.18922533	MFI
4898	TRUE	PT	7.750000e+01	1.04906937	MFI
4899	TRUE	TT	8.937500e+03	1.04792613	MFI
4900	TRUE	DT	1.565550e+04	2.20255702	MFI
4901	TRUE	FHA	1.259900e+04	2.25007255	MFI
4902	TRUE	FIM2/3	1.566600e+04	7.82468627	MFI
4903	TRUE	OVA	5.909000e+03	3.60277418	MFI
4904	TRUE	PRN	2.257550e+04	2.87521890	MFI
4905	TRUE	PT	9.575000e+01	1.29610829	MFI
4906	TRUE	TT	2.242650e+04	2.62951781	MFI
4907	TRUE	DT	2.617750e+03	0.36828869	MFI
4908	TRUE	FHA	8.816500e+03	1.57455073	MFI
4909	TRUE	FIM2/3	1.099950e+04	5.49391272	MFI
4910	TRUE	OVA	2.753000e+03	1.67853060	MFI
4911	TRUE	PRN	1.962200e+04	2.49906072	MFI
4912	TRUE	PT	4.975000e+01	0.67343486	MFI
4913	TRUE	TT	1.857825e+04	2.17830866	MFI
4914	TRUE	DT	1.499175e+04	2.10917468	MFI
4915	TRUE	FHA	1.693500e+04	3.02444469	MFI
4916	TRUE	FIM2/3	1.518625e+04	7.58506587	MFI
4917	TRUE	OVA	5.751500e+03	3.50674491	MFI
4918	TRUE	PRN	2.141925e+04	2.72795874	MFI
4919	TRUE	PT	1.087500e+02	1.47208122	MFI
4920	TRUE	TT	2.112025e+04	2.47635937	MFI
4921	TRUE	DT	1.458300e+04	2.05166804	MFI
4922	TRUE	FHA	5.664000e+03	1.01154147	MFI
4923	TRUE	FIM2/3	1.975250e+03	0.98657676	MFI
4924	TRUE	OVA	4.291750e+03	2.61672129	MFI
4925	TRUE	PRN	7.939000e+03	1.01111217	MFI
4926	TRUE	PT	7.400000e+01	1.00169205	MFI
4927	TRUE	TT	1.037250e+04	1.21618057	MFI
4928	TRUE	DT	1.325475e+04	1.86479785	MFI
4929	TRUE	FHA	4.173000e+03	0.74526175	MFI
4930	TRUE	FIM2/3	8.747500e+02	0.43691078	MFI

4931	TRUE	OVA	3.753500e+03	2.28854508	MFI
4932	TRUE	PRN	5.727000e+03	0.72939154	MFI
4933	TRUE	PT	4.550000e+01	0.61590525	MFI
4934	TRUE	TT	7.648500e+03	0.89679027	MFI
4935	TRUE	DT	1.227775e+04	1.72734467	MFI
4936	TRUE	FHA	4.153750e+03	0.74182386	MFI
4937	TRUE	FIM2/3	7.632500e+02	0.38121995	MFI
4938	TRUE	OVA	4.277500e+03	2.60803292	MFI
4939	TRUE	PRN	4.937500e+03	0.62884070	MFI
4940	TRUE	PT	4.650000e+01	0.62944162	MFI
4941	TRUE	TT	7.076750e+03	0.82975231	MFI
4942	TRUE	DT	1.313925e+04	1.84854827	MFI
4943	TRUE	FHA	4.473500e+03	0.79892845	MFI
4944	TRUE	FIM2/3	8.595000e+02	0.42929388	MFI
4945	TRUE	OVA	4.684250e+03	2.85603231	MFI
4946	TRUE	PRN	5.614750e+03	0.71509536	MFI
4947	TRUE	PT	5.150000e+01	0.69712352	MFI
4948	TRUE	TT	7.679500e+03	0.90042503	MFI
4949	TRUE	DT	1.285000e+04	1.80785396	MFI
4950	TRUE	FHA	4.208250e+03	0.75155709	MFI
4951	TRUE	FIM2/3	8.420000e+02	0.42055316	MFI
4952	TRUE	OVA	4.713250e+03	2.87371389	MFI
4953	TRUE	PRN	5.456250e+03	0.69490878	MFI
4954	TRUE	PT	4.900000e+01	0.66328257	MFI
4955	TRUE	TT	7.580250e+03	0.88878792	MFI
4956	TRUE	DT	2.184750e+04	3.07370346	MFI
4957	TRUE	FHA	7.881000e+03	1.40747851	MFI
4958	TRUE	FIM2/3	1.449450e+04	7.23955797	MFI
4959	TRUE	OVA	4.076000e+03	2.48517643	MFI
4960	TRUE	PRN	2.255775e+04	2.87295826	MFI
4961	TRUE	PT	6.250000e+01	0.84602369	MFI
4962	TRUE	TT	3.001175e+04	3.51889198	MFI
4963	TRUE	DT	2.385275e+04	3.35582013	MFI
4964	TRUE	FHA	1.104975e+04	1.97338989	MFI
4965	TRUE	FIM2/3	2.218300e+04	11.07972779	MFI
4966	TRUE	OVA	3.576250e+03	2.18047405	MFI
4967	TRUE	PRN	2.791450e+04	3.55519470	MFI
4968	TRUE	PT	6.650000e+01	0.90016920	MFI
4969	TRUE	TT	2.992450e+04	3.50866188	MFI
4970	TRUE	DT	2.232450e+04	3.14081213	MFI
4971	TRUE	FHA	1.034475e+04	1.84748298	MFI
4972	TRUE	FIM2/3	1.951250e+04	9.74589499	MFI
4973	TRUE	OVA	3.558750e+03	2.16980413	MFI

4974	TRUE	PRN	2.459700e+04	3.13267743	MFI
4975	TRUE	PT	6.900000e+01	0.93401015	MFI
4976	TRUE	TT	3.018550e+04	3.53926425	MFI
4977	TRUE	DT	1.334750e+04	1.87784675	MFI
4978	TRUE	FHA	1.842475e+04	3.29050117	MFI
4979	TRUE	FIM2/3	1.023450e+04	5.11181869	MFI
4980	TRUE	OVA	4.489750e+03	2.73744379	MFI
4981	TRUE	PRN	2.681600e+04	3.41528959	MFI
4982	TRUE	PT	1.217500e+02	1.64805415	MFI
4983	TRUE	TT	1.365350e+04	1.60087938	MFI
4984	TRUE	DT	1.360525e+04	1.91410935	MFI
4985	TRUE	FHA	1.818800e+04	3.24821967	MFI
4986	TRUE	FIM2/3	1.099650e+04	5.49241431	MFI
4987	TRUE	OVA	4.462500e+03	2.72082921	MFI
4988	TRUE	PRN	2.779050e+04	3.53940204	MFI
4989	TRUE	PT	1.260000e+02	1.70558376	MFI
4990	TRUE	TT	1.366600e+04	1.60234501	MFI
4991	TRUE	DT	1.320700e+04	1.85807995	MFI
4992	TRUE	FHA	1.670675e+04	2.98368121	MFI
4993	TRUE	FIM2/3	1.100075e+04	5.49453705	MFI
4994	TRUE	OVA	4.240500e+03	2.58547367	MFI
4995	TRUE	PRN	2.710400e+04	3.45196931	MFI
4996	TRUE	PT	1.120000e+02	1.51607445	MFI
4997	TRUE	TT	1.289550e+04	1.51200352	MFI
4998	TRUE	DT	1.364300e+04	1.91942036	MFI
4999	TRUE	FHA	1.874150e+04	3.34706999	MFI

lower_limit_of_detection

1	5.300000e-01
2	6.205949e+00
3	4.679535e+00
4	5.300000e-01
5	6.205949e+00
6	4.679535e+00
7	5.300000e-01
8	6.205949e+00
9	4.679535e+00
10	5.300000e-01
11	6.205949e+00
12	4.679535e+00
13	5.300000e-01
14	6.205949e+00
15	4.679535e+00
16	5.300000e-01

17	6.205949e+00
18	4.679535e+00
19	5.300000e-01
20	6.205949e+00
21	4.679535e+00
22	5.300000e-01
23	6.205949e+00
24	4.679535e+00
25	5.300000e-01
26	6.205949e+00
27	4.679535e+00
28	5.300000e-01
29	6.205949e+00
30	4.679535e+00
31	5.300000e-01
32	6.205949e+00
33	4.679535e+00
34	5.300000e-01
35	6.205949e+00
36	4.679535e+00
37	5.300000e-01
38	6.205949e+00
39	4.679535e+00
40	5.300000e-01
41	6.205949e+00
42	4.679535e+00
43	5.300000e-01
44	6.205949e+00
45	4.679535e+00
46	5.300000e-01
47	6.205949e+00
48	4.679535e+00
49	5.300000e-01
50	6.205949e+00
51	4.679535e+00
52	5.300000e-01
53	6.205949e+00
54	4.679535e+00
55	5.300000e-01
56	6.205949e+00
57	4.679535e+00
58	5.300000e-01
59	6.205949e+00

60	4.679535e+00
61	5.300000e-01
62	6.205949e+00
63	4.679535e+00
64	5.300000e-01
65	6.205949e+00
66	4.679535e+00
67	5.300000e-01
68	6.205949e+00
69	4.679535e+00
70	5.300000e-01
71	6.205949e+00
72	4.679535e+00
73	5.300000e-01
74	6.205949e+00
75	4.679535e+00
76	5.300000e-01
77	6.205949e+00
78	4.679535e+00
79	5.300000e-01
80	6.205949e+00
81	4.679535e+00
82	5.300000e-01
83	6.205949e+00
84	4.679535e+00
85	5.300000e-01
86	6.205949e+00
87	4.679535e+00
88	5.300000e-01
89	6.205949e+00
90	4.679535e+00
91	5.300000e-01
92	6.205949e+00
93	4.679535e+00
94	5.300000e-01
95	6.205949e+00
96	4.679535e+00
97	5.300000e-01
98	6.205949e+00
99	4.679535e+00
100	5.300000e-01
101	6.205949e+00
102	4.679535e+00

103	5.300000e-01
104	6.205949e+00
105	4.679535e+00
106	5.300000e-01
107	6.205949e+00
108	4.679535e+00
109	5.300000e-01
110	6.205949e+00
111	4.679535e+00
112	5.300000e-01
113	6.205949e+00
114	4.679535e+00
115	5.300000e-01
116	6.205949e+00
117	4.679535e+00
118	5.300000e-01
119	6.205949e+00
120	4.679535e+00
121	5.300000e-01
122	6.205949e+00
123	4.679535e+00
124	5.300000e-01
125	6.205949e+00
126	4.679535e+00
127	5.300000e-01
128	6.205949e+00
129	4.679535e+00
130	5.300000e-01
131	6.205949e+00
132	4.679535e+00
133	5.300000e-01
134	6.205949e+00
135	4.679535e+00
136	5.300000e-01
137	6.205949e+00
138	4.679535e+00
139	5.300000e-01
140	6.205949e+00
141	4.679535e+00
142	5.300000e-01
143	6.205949e+00
144	4.679535e+00
145	5.300000e-01

146	6.205949e+00
147	4.679535e+00
148	5.300000e-01
149	6.205949e+00
150	4.679535e+00
151	5.300000e-01
152	6.205949e+00
153	4.679535e+00
154	5.300000e-01
155	6.205949e+00
156	4.679535e+00
157	5.300000e-01
158	6.205949e+00
159	4.679535e+00
160	5.300000e-01
161	6.205949e+00
162	4.679535e+00
163	5.300000e-01
164	6.205949e+00
165	4.679535e+00
166	5.300000e-01
167	6.205949e+00
168	4.679535e+00
169	5.300000e-01
170	6.205949e+00
171	4.679535e+00
172	5.300000e-01
173	6.205949e+00
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868	5.300000e-01
869	6.205949e+00
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871	5.300000e-01
872	6.205949e+00
873	4.679535e+00
874	5.300000e-01
875	6.205949e+00
876	4.679535e+00

877	5.300000e-01
878	6.205949e+00
879	4.679535e+00
880	5.300000e-01
881	6.205949e+00
882	4.679535e+00
883	5.300000e-01
884	6.205949e+00
885	4.679535e+00
886	5.300000e-01
887	6.205949e+00
888	4.679535e+00
889	5.300000e-01
890	6.205949e+00
891	4.679535e+00
892	5.300000e-01
893	6.205949e+00
894	4.679535e+00
895	5.300000e-01
896	6.205949e+00
897	4.679535e+00
898	5.300000e-01
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901	5.300000e-01
902	6.205949e+00
903	4.679535e+00
904	5.300000e-01
905	6.205949e+00
906	4.679535e+00
907	5.300000e-01
908	6.205949e+00
909	4.679535e+00
910	5.300000e-01
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912	4.679535e+00
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918	4.679535e+00
919	5.300000e-01

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921	4.679535e+00
922	5.300000e-01
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924	4.679535e+00
925	5.300000e-01
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2190	7.311235e+01
2191	5.022639e+02
2192	2.448250e+03
2193	7.071092e+00
2194	1.387596e+01
2195	2.557147e+03
2196	5.197441e+00
2197	7.311235e+01
2198	5.022639e+02
2199	2.448250e+03
2200	7.071092e+00
2201	1.387596e+01
2202	2.557147e+03
2203	5.197441e+00
2204	7.311235e+01
2205	5.022639e+02
2206	2.448250e+03
2207	7.071092e+00
2208	1.387596e+01
2209	2.557147e+03

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2212	5.022639e+02
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2214	7.071092e+00
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2216	2.557147e+03
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2219	5.022639e+02
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2221	7.071092e+00
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2225	7.311235e+01
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4769	1.223700e-02
4770	1.920585e-02
4771	5.062431e-02
4772	2.503477e-01
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4775	2.725989e-03
4776	1.223700e-02
4777	1.920585e-02
4778	5.062431e-02
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4783	1.223700e-02
4784	1.920585e-02
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4786	2.503477e-01
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4789	2.725989e-03

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4798	1.920585e-02
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4854	1.920585e-02
4855	5.062431e-02
4856	2.503477e-01
4857	7.064341e-03
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4870	2.503477e-01
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4872	1.734699e-02
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4874	1.223700e-02
4875	1.920585e-02

4876	5.062431e-02
4877	2.503477e-01
4878	7.064341e-03
4879	1.734699e-02
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4881	1.223700e-02
4882	1.920585e-02
4883	5.062431e-02
4884	2.503477e-01
4885	7.064341e-03
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4887	2.725989e-03
4888	1.223700e-02
4889	1.920585e-02
4890	5.062431e-02
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4892	7.064341e-03
4893	1.734699e-02
4894	2.725989e-03
4895	1.223700e-02
4896	1.920585e-02
4897	5.062431e-02
4898	2.503477e-01
4899	7.064341e-03
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4901	2.725989e-03
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4916	1.223700e-02
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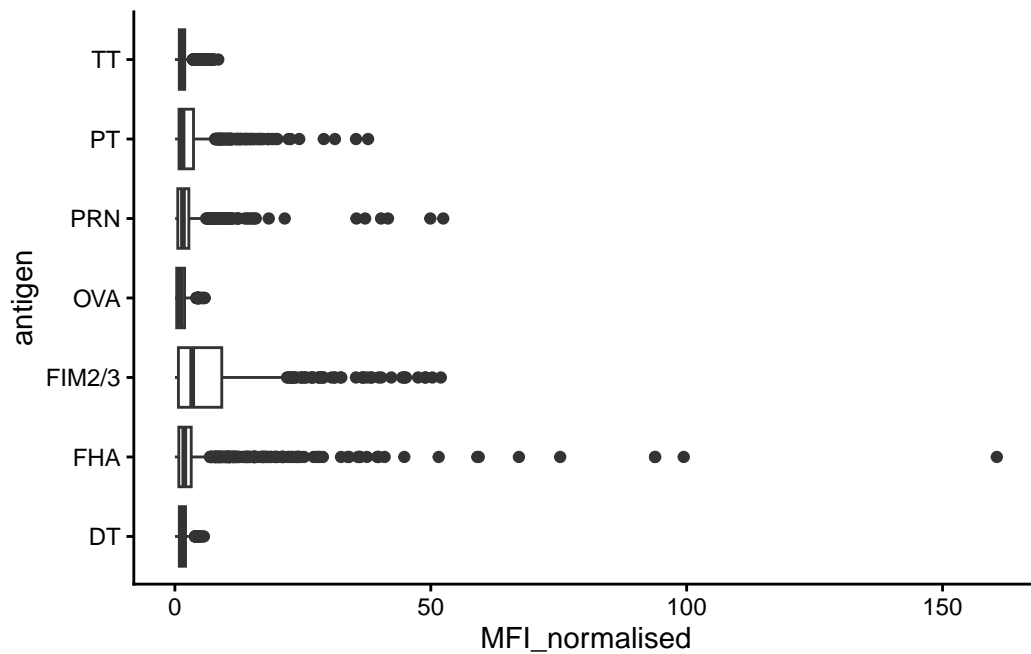
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4950	2.725989e-03
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4955	7.064341e-03
4956	1.734699e-02
4957	2.725989e-03
4958	1.223700e-02
4959	1.920585e-02
4960	5.062431e-02
4961	2.503477e-01

4962	7.064341e-03
4963	1.734699e-02
4964	2.725989e-03
4965	1.223700e-02
4966	1.920585e-02
4967	5.062431e-02
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4969	7.064341e-03
4970	1.734699e-02
4971	2.725989e-03
4972	1.223700e-02
4973	1.920585e-02
4974	5.062431e-02
4975	2.503477e-01
4976	7.064341e-03
4977	1.734699e-02
4978	2.725989e-03
4979	1.223700e-02
4980	1.920585e-02
4981	5.062431e-02
4982	2.503477e-01
4983	7.064341e-03
4984	1.734699e-02
4985	2.725989e-03
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4987	1.920585e-02
4988	5.062431e-02
4989	2.503477e-01
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4991	1.734699e-02
4992	2.725989e-03
4993	1.223700e-02
4994	1.920585e-02
4995	5.062431e-02
4996	2.503477e-01
4997	7.064341e-03
4998	1.734699e-02
4999	2.725989e-03

[reached 'max' / getOption("max.print") -- omitted 2266 rows]

Plot of antigen levels again but for IgG only

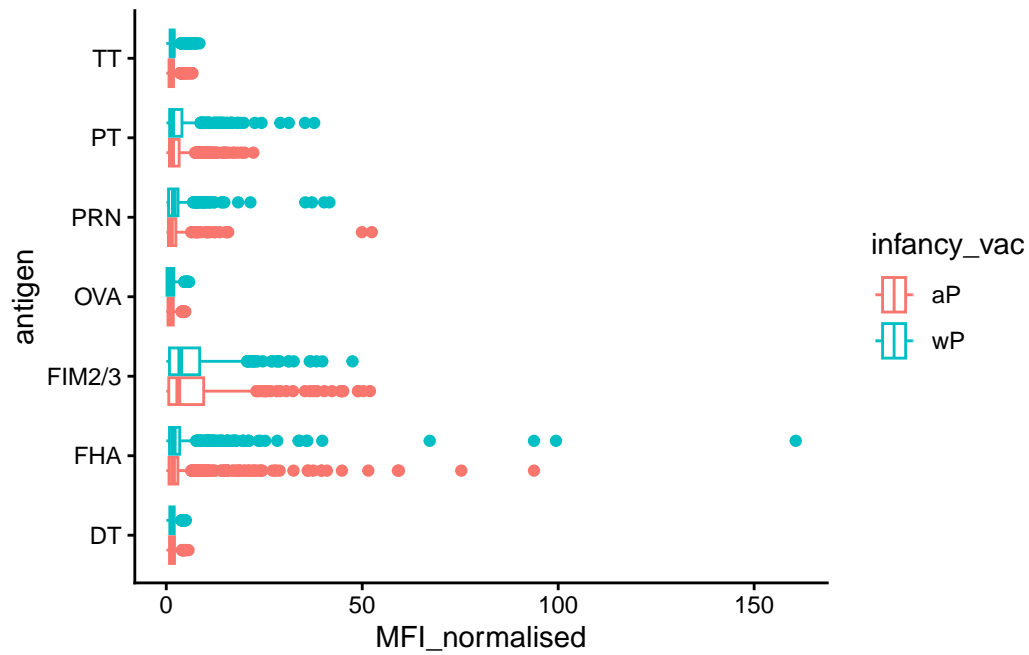
```
igg_dataplot <- ggplot(igg_data) +
  aes(x=MFI_normalised, y=antigen) +
  geom_boxplot() +
  theme_classic()
igg_dataplot
```



Differences between aP and wP?

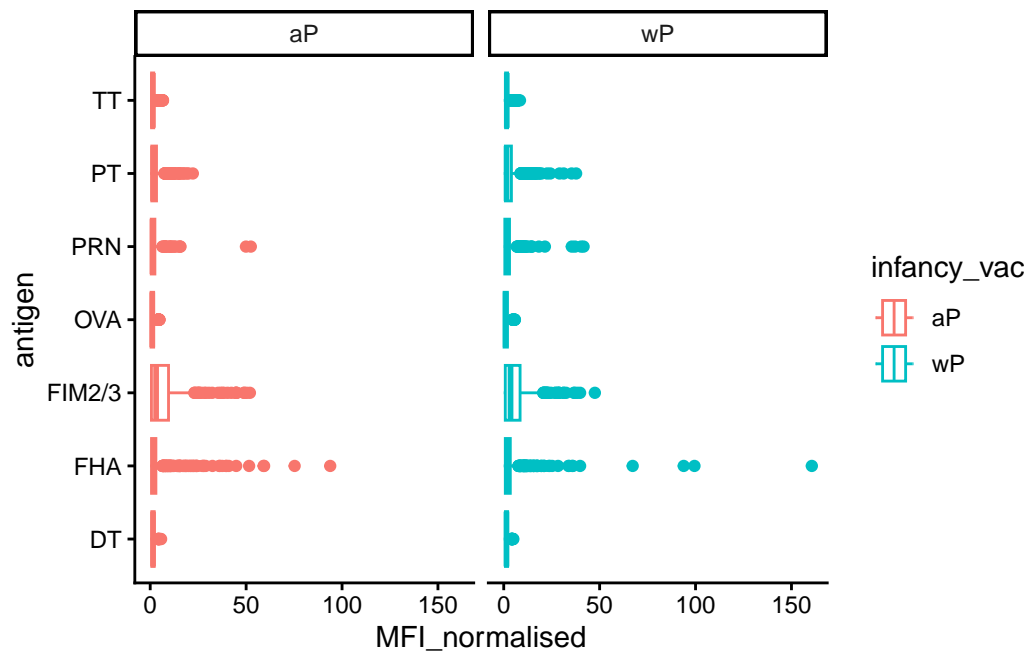
We can color up by the infancy_vac values of “wP” or “aP”

```
igg_dataplot +
  aes(color=infancy_vac)
```



We could “facet” by the “aP” vs “wP” column

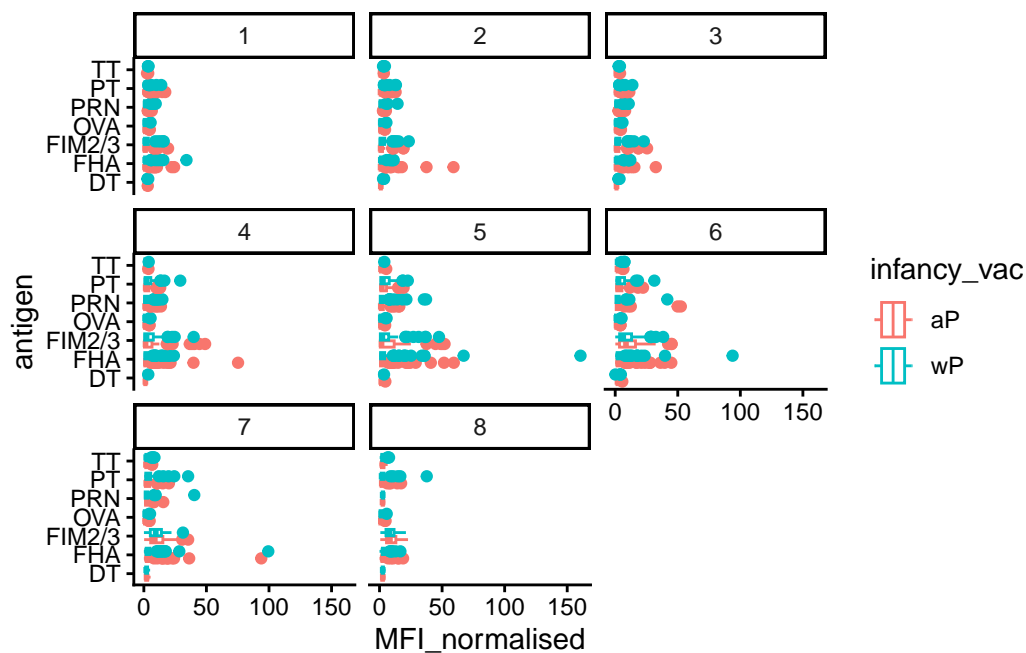
```
igg_dataplot +  
  aes(color=infancy_vac) +  
  facet_wrap(~infancy_vac)
```



Time course analysis

We can use `visit` as a proxy for time here and facet our plots by this value 1 to 8...

```
igg_data |>
  filter(visit %in% 1:8) |>
  ggplot() +
    aes(x=MFI_normalised, y=antigen, color=infancy_vac) +
    facet_wrap(~visit) +
    geom_boxplot() +
    theme_classic()
```



Time course of PT (Virulence Factor: Pertussis Toxin)

```
pt <- igg_data |>
  filter(antigen == "PT") |>
  filter(dataset == "2021_dataset")

pt
```

	subject_id	infancy_vac	biological_sex	ethnicity
1	61	wP	Female	Not Hispanic or Latino
2	61	wP	Female	Not Hispanic or Latino
3	61	wP	Female	Not Hispanic or Latino
4	61	wP	Female	Not Hispanic or Latino
5	61	wP	Female	Not Hispanic or Latino
6	61	wP	Female	Not Hispanic or Latino
7	61	wP	Female	Not Hispanic or Latino
8	62	wP	Female	Not Hispanic or Latino
9	62	wP	Female	Not Hispanic or Latino
10	62	wP	Female	Not Hispanic or Latino
11	62	wP	Female	Not Hispanic or Latino
12	62	wP	Female	Not Hispanic or Latino

13	62	wP	Female Not Hispanic or Latino
14	62	wP	Female Not Hispanic or Latino
15	63	wP	Female Not Hispanic or Latino
16	63	wP	Female Not Hispanic or Latino
17	63	wP	Female Not Hispanic or Latino
18	63	wP	Female Not Hispanic or Latino
19	63	wP	Female Not Hispanic or Latino
20	63	wP	Female Not Hispanic or Latino
21	63	wP	Female Not Hispanic or Latino
22	64	wP	Male Not Hispanic or Latino
23	64	wP	Male Not Hispanic or Latino
24	64	wP	Male Not Hispanic or Latino
25	64	wP	Male Not Hispanic or Latino
26	64	wP	Male Not Hispanic or Latino
27	64	wP	Male Not Hispanic or Latino
28	64	wP	Male Not Hispanic or Latino
29	65	wP	Male Not Hispanic or Latino
30	65	wP	Male Not Hispanic or Latino
31	65	wP	Male Not Hispanic or Latino
32	65	wP	Male Not Hispanic or Latino
33	65	wP	Male Not Hispanic or Latino
34	65	wP	Male Not Hispanic or Latino
35	65	wP	Male Not Hispanic or Latino
36	66	wP	Female Not Hispanic or Latino
37	66	wP	Female Not Hispanic or Latino
38	66	wP	Female Not Hispanic or Latino
39	66	wP	Female Not Hispanic or Latino
40	66	wP	Female Not Hispanic or Latino
41	66	wP	Female Not Hispanic or Latino
42	66	wP	Female Not Hispanic or Latino
43	67	wP	Female Hispanic or Latino
44	67	wP	Female Hispanic or Latino
45	67	wP	Female Hispanic or Latino
46	67	wP	Female Hispanic or Latino
47	67	wP	Female Hispanic or Latino
48	67	wP	Female Hispanic or Latino
49	67	wP	Female Hispanic or Latino
50	68	wP	Male Hispanic or Latino
51	68	wP	Male Hispanic or Latino
52	68	wP	Male Hispanic or Latino
53	68	wP	Male Hispanic or Latino
54	68	wP	Male Hispanic or Latino
55	68	wP	Male Hispanic or Latino

56	68	wP	Male	Hispanic or Latino
57	69	wP	Female	Hispanic or Latino
58	69	wP	Female	Hispanic or Latino
59	69	wP	Female	Hispanic or Latino
60	69	wP	Female	Hispanic or Latino
61	69	wP	Female	Hispanic or Latino
62	69	wP	Female	Hispanic or Latino
63	69	wP	Female	Hispanic or Latino
64	70	aP	Male Not	Hispanic or Latino
65	70	aP	Male Not	Hispanic or Latino
66	70	aP	Male Not	Hispanic or Latino
67	70	aP	Male Not	Hispanic or Latino
68	70	aP	Male Not	Hispanic or Latino
69	70	aP	Male Not	Hispanic or Latino
70	70	aP	Male Not	Hispanic or Latino
71	71	aP	Female Not	Hispanic or Latino
72	71	aP	Female Not	Hispanic or Latino
73	71	aP	Female Not	Hispanic or Latino
74	71	aP	Female Not	Hispanic or Latino
75	71	aP	Female Not	Hispanic or Latino
76	71	aP	Female Not	Hispanic or Latino
77	71	aP	Female Not	Hispanic or Latino
78	72	wP	Female Not	Hispanic or Latino
79	72	wP	Female Not	Hispanic or Latino
80	72	wP	Female Not	Hispanic or Latino
81	72	wP	Female Not	Hispanic or Latino
82	72	wP	Female Not	Hispanic or Latino
83	72	wP	Female Not	Hispanic or Latino
84	72	wP	Female Not	Hispanic or Latino
85	73	wP	Female Not	Hispanic or Latino
86	73	wP	Female Not	Hispanic or Latino
87	73	wP	Female Not	Hispanic or Latino
88	73	wP	Female Not	Hispanic or Latino
89	73	wP	Female Not	Hispanic or Latino
90	73	wP	Female Not	Hispanic or Latino
91	73	wP	Female Not	Hispanic or Latino
92	74	wP	Female Not	Hispanic or Latino
93	74	wP	Female Not	Hispanic or Latino
94	74	wP	Female Not	Hispanic or Latino
95	74	wP	Female Not	Hispanic or Latino
96	74	wP	Female Not	Hispanic or Latino
97	74	wP	Female Not	Hispanic or Latino
98	74	wP	Female Not	Hispanic or Latino

99	75	aP	Female Not Hispanic or Latino
100	75	aP	Female Not Hispanic or Latino
101	75	aP	Female Not Hispanic or Latino
102	75	aP	Female Not Hispanic or Latino
103	75	aP	Female Not Hispanic or Latino
104	75	aP	Female Not Hispanic or Latino
105	75	aP	Female Not Hispanic or Latino
106	76	aP	Female Not Hispanic or Latino
107	76	aP	Female Not Hispanic or Latino
108	76	aP	Female Not Hispanic or Latino
109	76	aP	Female Not Hispanic or Latino
110	76	aP	Female Not Hispanic or Latino
111	76	aP	Female Not Hispanic or Latino
112	76	aP	Female Not Hispanic or Latino
113	77	wP	Male Not Hispanic or Latino
114	77	wP	Male Not Hispanic or Latino
115	77	wP	Male Not Hispanic or Latino
116	77	wP	Male Not Hispanic or Latino
117	77	wP	Male Not Hispanic or Latino
118	77	wP	Male Not Hispanic or Latino
119	77	wP	Male Not Hispanic or Latino
120	78	wP	Female Not Hispanic or Latino
121	78	wP	Female Not Hispanic or Latino
122	78	wP	Female Not Hispanic or Latino
123	78	wP	Female Not Hispanic or Latino
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125	78	wP	Female Not Hispanic or Latino
126	78	wP	Female Not Hispanic or Latino
127	79	wP	Male Not Hispanic or Latino
128	79	wP	Male Not Hispanic or Latino
129	79	wP	Male Not Hispanic or Latino
130	79	wP	Male Not Hispanic or Latino
131	79	wP	Male Not Hispanic or Latino
132	79	wP	Male Not Hispanic or Latino
133	79	wP	Male Not Hispanic or Latino
134	80	wP	Female Not Hispanic or Latino
135	80	wP	Female Not Hispanic or Latino
136	80	wP	Female Not Hispanic or Latino
137	80	wP	Female Not Hispanic or Latino
138	80	wP	Female Not Hispanic or Latino
139	80	wP	Female Not Hispanic or Latino
140	80	wP	Female Not Hispanic or Latino
141	81	wP	Male Not Hispanic or Latino

142	81	wP	Male Not Hispanic or Latino
143	81	wP	Male Not Hispanic or Latino
144	81	wP	Male Not Hispanic or Latino
145	81	wP	Male Not Hispanic or Latino
146	81	wP	Male Not Hispanic or Latino
147	81	wP	Male Not Hispanic or Latino
148	83	aP	Female Not Hispanic or Latino
149	83	aP	Female Not Hispanic or Latino
150	83	aP	Female Not Hispanic or Latino
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154	83	aP	Female Not Hispanic or Latino
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156	84	aP	Female Not Hispanic or Latino
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159	84	aP	Female Not Hispanic or Latino
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161	84	aP	Female Not Hispanic or Latino
162	85	aP	Female Hispanic or Latino
163	85	aP	Female Hispanic or Latino
164	85	aP	Female Hispanic or Latino
165	85	aP	Female Hispanic or Latino
166	85	aP	Female Hispanic or Latino
167	85	aP	Female Hispanic or Latino
168	85	aP	Female Hispanic or Latino
169	86	aP	Female Not Hispanic or Latino
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171	86	aP	Female Not Hispanic or Latino
172	86	aP	Female Not Hispanic or Latino
173	86	aP	Female Not Hispanic or Latino
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179	89	aP	Female Not Hispanic or Latino
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187	90	aP	Female Not Hispanic or Latino
188	90	aP	Female Not Hispanic or Latino
189	90	aP	Female Not Hispanic or Latino
190	91	aP	Male Unknown
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193	91	aP	Male Unknown
194	91	aP	Male Unknown
195	91	aP	Male Unknown
196	91	aP	Male Unknown
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198	92	aP	Female Hispanic or Latino
199	92	aP	Female Hispanic or Latino
200	92	aP	Female Hispanic or Latino
201	92	aP	Female Hispanic or Latino
202	92	aP	Female Hispanic or Latino
203	92	aP	Female Hispanic or Latino
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207	93	aP	Female Not Hispanic or Latino
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209	93	aP	Female Not Hispanic or Latino
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211	94	aP	Male Not Hispanic or Latino
212	94	aP	Male Not Hispanic or Latino
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216	94	aP	Male Not Hispanic or Latino
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218	95	aP	Female Hispanic or Latino
219	95	aP	Female Hispanic or Latino
220	95	aP	Female Hispanic or Latino
221	95	aP	Female Hispanic or Latino
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225	96	aP	Male Hispanic or Latino
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227	96	aP	Male Hispanic or Latino

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229	96	aP	Male	Hispanic or Latino
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231	96	aP	Male	Hispanic or Latino
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3		Unknown or Not Reported		1987-01-01 2019-04-08
4		Unknown or Not Reported		1987-01-01 2019-04-08
5		Unknown or Not Reported		1987-01-01 2019-04-08
6		Unknown or Not Reported		1987-01-01 2019-04-08
7		Unknown or Not Reported		1987-01-01 2019-04-08
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9			Asian	1993-01-01 2018-11-26
10			Asian	1993-01-01 2018-11-26
11			Asian	1993-01-01 2018-11-26
12			Asian	1993-01-01 2018-11-26
13			Asian	1993-01-01 2018-11-26
14			Asian	1993-01-01 2018-11-26
15			White	1995-01-01 2018-11-26
16			White	1995-01-01 2018-11-26
17			White	1995-01-01 2018-11-26
18			White	1995-01-01 2018-11-26
19			White	1995-01-01 2018-11-26
20			White	1995-01-01 2018-11-26
21			White	1995-01-01 2018-11-26
22			Asian	1993-01-01 2018-11-26
23			Asian	1993-01-01 2018-11-26
24			Asian	1993-01-01 2018-11-26
25			Asian	1993-01-01 2018-11-26
26			Asian	1993-01-01 2018-11-26
27			Asian	1993-01-01 2018-11-26
28			Asian	1993-01-01 2018-11-26
29			White	1990-01-01 2018-12-03
30			White	1990-01-01 2018-12-03
31			White	1990-01-01 2018-12-03
32			White	1990-01-01 2018-12-03
33			White	1990-01-01 2018-12-03
34			White	1990-01-01 2018-12-03
35			White	1990-01-01 2018-12-03
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37		Black or African American		1976-01-01 2018-12-03
38		Black or African American		1976-01-01 2018-12-03

39	Black or African American	1976-01-01	2018-12-03
40	Black or African American	1976-01-01	2018-12-03
41	Black or African American	1976-01-01	2018-12-03
42	Black or African American	1976-01-01	2018-12-03
43	White	1972-01-01	2019-01-28
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45	White	1972-01-01	2019-01-28
46	White	1972-01-01	2019-01-28
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52	White	1972-01-01	2019-01-28
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61	White	1990-01-01	2019-01-28
62	White	1990-01-01	2019-01-28
63	White	1990-01-01	2019-01-28
64	American Indian/Alaska Native	1998-01-01	2019-01-28
65	American Indian/Alaska Native	1998-01-01	2019-01-28
66	American Indian/Alaska Native	1998-01-01	2019-01-28
67	American Indian/Alaska Native	1998-01-01	2019-01-28
68	American Indian/Alaska Native	1998-01-01	2019-01-28
69	American Indian/Alaska Native	1998-01-01	2019-01-28
70	American Indian/Alaska Native	1998-01-01	2019-01-28
71	White	1998-01-01	2019-01-28
72	White	1998-01-01	2019-01-28
73	White	1998-01-01	2019-01-28
74	White	1998-01-01	2019-01-28
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76	White	1998-01-01	2019-01-28
77	White	1998-01-01	2019-01-28
78	White	1991-01-01	2019-02-25
79	White	1991-01-01	2019-02-25
80	White	1991-01-01	2019-02-25
81	White	1991-01-01	2019-02-25

82	White	1991-01-01	2019-02-25
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84	White	1991-01-01	2019-02-25
85	White	1995-01-01	2019-02-25
86	White	1995-01-01	2019-02-25
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89	White	1995-01-01	2019-02-25
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93	White	1995-01-01	2019-02-25
94	White	1995-01-01	2019-02-25
95	White	1995-01-01	2019-02-25
96	White	1995-01-01	2019-02-25
97	White	1995-01-01	2019-02-25
98	White	1995-01-01	2019-02-25
99	Native Hawaiian or Other Pacific Islander	1998-01-01	2019-02-25
100	Native Hawaiian or Other Pacific Islander	1998-01-01	2019-02-25
101	Native Hawaiian or Other Pacific Islander	1998-01-01	2019-02-25
102	Native Hawaiian or Other Pacific Islander	1998-01-01	2019-02-25
103	Native Hawaiian or Other Pacific Islander	1998-01-01	2019-02-25
104	Native Hawaiian or Other Pacific Islander	1998-01-01	2019-02-25
105	Native Hawaiian or Other Pacific Islander	1998-01-01	2019-02-25
106	Asian	1998-01-01	2019-02-25
107	Asian	1998-01-01	2019-02-25
108	Asian	1998-01-01	2019-02-25
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111	Asian	1998-01-01	2019-02-25
112	Asian	1998-01-01	2019-02-25
113	White	1988-01-01	2019-03-18
114	White	1988-01-01	2019-03-18
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123	White	1993-01-01	2019-03-18
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133	White	1987-01-01	2019-03-18
134	Asian	1992-01-01	2019-03-18
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141	White	1993-01-01	2019-03-18
142	White	1993-01-01	2019-03-18
143	White	1993-01-01	2019-03-18
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146	White	1993-01-01	2019-03-18
147	White	1993-01-01	2019-03-18
148	White	1999-01-01	2019-04-08
149	White	1999-01-01	2019-04-08
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154	White	1999-01-01	2019-04-08
155	More Than One Race	1997-01-01	2019-04-08
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157	More Than One Race	1997-01-01	2019-04-08
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159	More Than One Race	1997-01-01	2019-04-08
160	More Than One Race	1997-01-01	2019-04-08
161	More Than One Race	1997-01-01	2019-04-08
162	White	2000-01-01	2019-04-29
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176		Asian	1997-01-01	2019-06-03
177		Asian	1997-01-01	2019-06-03
178		Asian	1997-01-01	2019-06-03
179		Asian	1997-01-01	2019-06-03
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182		Asian	1997-01-01	2019-06-03
183		Asian	1999-01-01	2019-06-03
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185		Asian	1999-01-01	2019-06-03
186		Asian	1999-01-01	2019-06-03
187		Asian	1999-01-01	2019-06-03
188		Asian	1999-01-01	2019-06-03
189		Asian	1999-01-01	2019-06-03
190	Unknown or Not Reported		1998-01-01	2019-06-03
191	Unknown or Not Reported		1998-01-01	2019-06-03
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197		White	2000-01-01	2019-06-24
198		White	2000-01-01	2019-06-24
199		White	2000-01-01	2019-06-24
200		White	2000-01-01	2019-06-24
201		White	2000-01-01	2019-06-24
202		White	2000-01-01	2019-06-24
203		White	2000-01-01	2019-06-24
204	More Than One Race		1996-01-01	2019-06-24
205	More Than One Race		1996-01-01	2019-06-24
206	More Than One Race		1996-01-01	2019-06-24
207	More Than One Race		1996-01-01	2019-06-24
208	More Than One Race		1996-01-01	2019-06-24
209	More Than One Race		1996-01-01	2019-06-24
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211	Unknown or Not Reported	1999-01-01	2019-06-24
212	Unknown or Not Reported	1999-01-01	2019-06-24
213	Unknown or Not Reported	1999-01-01	2019-06-24
214	Unknown or Not Reported	1999-01-01	2019-06-24
215	Unknown or Not Reported	1999-01-01	2019-06-24
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3	2021_dataset	470	3
4	2021_dataset	471	7
5	2021_dataset	472	14
6	2021_dataset	473	30
7	2021_dataset	474	91
8	2021_dataset	475	0
9	2021_dataset	476	1
10	2021_dataset	477	3
11	2021_dataset	478	7
12	2021_dataset	479	14
13	2021_dataset	480	30
14	2021_dataset	481	101
15	2021_dataset	483	0
16	2021_dataset	484	1
17	2021_dataset	485	3
18	2021_dataset	486	7
19	2021_dataset	487	14
20	2021_dataset	488	38
21	2021_dataset	489	121

22	2021_dataset	490	0
23	2021_dataset	491	1
24	2021_dataset	492	3
25	2021_dataset	493	7
26	2021_dataset	494	14
27	2021_dataset	495	30
28	2021_dataset	496	101
29	2021_dataset	498	0
30	2021_dataset	499	1
31	2021_dataset	500	3
32	2021_dataset	501	7
33	2021_dataset	502	14
34	2021_dataset	503	37
35	2021_dataset	504	98
36	2021_dataset	506	0
37	2021_dataset	507	1
38	2021_dataset	508	3
39	2021_dataset	509	7
40	2021_dataset	510	14
41	2021_dataset	511	31
42	2021_dataset	512	101
43	2021_dataset	513	0
44	2021_dataset	514	1
45	2021_dataset	515	3
46	2021_dataset	516	7
47	2021_dataset	517	14
48	2021_dataset	518	30
49	2021_dataset	519	93
50	2021_dataset	521	0
51	2021_dataset	522	1
52	2021_dataset	523	3
53	2021_dataset	524	7
54	2021_dataset	525	14
55	2021_dataset	526	30
56	2021_dataset	527	93
57	2021_dataset	529	0
58	2021_dataset	530	1
59	2021_dataset	531	3
60	2021_dataset	532	7
61	2021_dataset	533	14
62	2021_dataset	534	32
63	2021_dataset	535	91
64	2021_dataset	537	0

65	2021_dataset	538	1
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67	2021_dataset	540	7
68	2021_dataset	541	14
69	2021_dataset	542	32
70	2021_dataset	543	93
71	2021_dataset	546	0
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73	2021_dataset	548	3
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75	2021_dataset	550	14
76	2021_dataset	551	37
77	2021_dataset	552	108
78	2021_dataset	554	0
79	2021_dataset	555	1
80	2021_dataset	556	3
81	2021_dataset	557	7
82	2021_dataset	558	14
83	2021_dataset	559	29
84	2021_dataset	560	94
85	2021_dataset	562	0
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87	2021_dataset	564	3
88	2021_dataset	565	7
89	2021_dataset	566	14
90	2021_dataset	567	37
91	2021_dataset	568	98
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94	2021_dataset	571	3
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96	2021_dataset	573	14
97	2021_dataset	574	29
98	2021_dataset	575	94
99	2021_dataset	577	0
100	2021_dataset	578	1
101	2021_dataset	579	3
102	2021_dataset	580	7
103	2021_dataset	581	14
104	2021_dataset	582	29
105	2021_dataset	583	94
106	2021_dataset	585	0
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108	2021_dataset	587	3
109	2021_dataset	588	7
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111	2021_dataset	590	30
112	2021_dataset	591	93
113	2021_dataset	593	0
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115	2021_dataset	595	3
116	2021_dataset	596	7
117	2021_dataset	597	14
118	2021_dataset	598	31
119	2021_dataset	599	94
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122	2021_dataset	603	3
123	2021_dataset	604	7
124	2021_dataset	605	14
125	2021_dataset	606	31
126	2021_dataset	607	92
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132	2021_dataset	613	31
133	2021_dataset	614	92
134	2021_dataset	616	0
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136	2021_dataset	618	3
137	2021_dataset	619	7
138	2021_dataset	620	14
139	2021_dataset	621	31
140	2021_dataset	622	92
141	2021_dataset	623	0
142	2021_dataset	624	1
143	2021_dataset	625	3
144	2021_dataset	626	7
145	2021_dataset	627	14
146	2021_dataset	628	36
147	2021_dataset	629	100
148	2021_dataset	636	0
149	2021_dataset	637	1
150	2021_dataset	638	3

151	2021_dataset	639	7
152	2021_dataset	640	14
153	2021_dataset	641	30
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157	2021_dataset	645	3
158	2021_dataset	646	7
159	2021_dataset	647	15
160	2021_dataset	648	28
161	2021_dataset	649	95
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164	2021_dataset	652	3
165	2021_dataset	653	7
166	2021_dataset	654	14
167	2021_dataset	655	30
168	2021_dataset	656	150
169	2021_dataset	657	0
170	2021_dataset	658	1
171	2021_dataset	659	3
172	2021_dataset	660	7
173	2021_dataset	661	14
174	2021_dataset	662	30
175	2021_dataset	663	102
176	2021_dataset	674	0
177	2021_dataset	675	1
178	2021_dataset	676	3
179	2021_dataset	677	7
180	2021_dataset	678	14
181	2021_dataset	679	29
182	2021_dataset	680	112
183	2021_dataset	681	0
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185	2021_dataset	683	3
186	2021_dataset	684	7
187	2021_dataset	685	14
188	2021_dataset	686	29
189	2021_dataset	687	112
190	2021_dataset	688	0
191	2021_dataset	689	1
192	2021_dataset	690	3
193	2021_dataset	691	7

194	2021_dataset	692	14
195	2021_dataset	693	37
196	2021_dataset	694	107
197	2021_dataset	695	0
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199	2021_dataset	697	3
200	2021_dataset	698	7
201	2021_dataset	699	14
202	2021_dataset	700	30
203	2021_dataset	701	93
204	2021_dataset	702	0
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206	2021_dataset	704	3
207	2021_dataset	705	7
208	2021_dataset	706	14
209	2021_dataset	707	30
210	2021_dataset	708	95
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216	2021_dataset	714	30
217	2021_dataset	715	93
218	2021_dataset	716	0
219	2021_dataset	717	1
220	2021_dataset	718	3
221	2021_dataset	719	7
222	2021_dataset	720	14
223	2021_dataset	721	30
224	2021_dataset	722	93
225	2021_dataset	723	0
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227	2021_dataset	725	3
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230	2021_dataset	728	30
231	2021_dataset	729	93
planned_day_relative_to_boost specimen_type visit isotype			
1		0 Blood	1 IgG
2		1 Blood	2 IgG
3		3 Blood	3 IgG
4		7 Blood	4 IgG

5	14	Blood	5	IgG
6	30	Blood	6	IgG
7	120	Blood	7	IgG
8	0	Blood	1	IgG
9	1	Blood	2	IgG
10	3	Blood	3	IgG
11	7	Blood	4	IgG
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18	7	Blood	4	IgG
19	14	Blood	5	IgG
20	30	Blood	6	IgG
21	120	Blood	7	IgG
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25	7	Blood	4	IgG
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32	7	Blood	4	IgG
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34	30	Blood	6	IgG
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38	3	Blood	3	IgG
39	7	Blood	4	IgG
40	14	Blood	5	IgG
41	30	Blood	6	IgG
42	120	Blood	7	IgG
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74	7	Blood	4	IgG
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91	120	Blood	7	IgG
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130	7	Blood	4	IgG
131	14	Blood	5	IgG
132	30	Blood	6	IgG
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137	7	Blood	4	IgG
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177	1	Blood	2	IgG
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179	7	Blood	4	IgG
180	14	Blood	5	IgG
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182	120	Blood	7	IgG
183	0	Blood	1	IgG
184	1	Blood	2	IgG
185	3	Blood	3	IgG
186	7	Blood	4	IgG
187	14	Blood	5	IgG
188	30	Blood	6	IgG
189	120	Blood	7	IgG
190	0	Blood	1	IgG
191	1	Blood	2	IgG
192	3	Blood	3	IgG
193	7	Blood	4	IgG
194	14	Blood	5	IgG
195	30	Blood	6	IgG
196	120	Blood	7	IgG
197	0	Blood	1	IgG
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199	3	Blood	3	IgG
200	7	Blood	4	IgG
201	14	Blood	5	IgG
202	30	Blood	6	IgG
203	120	Blood	7	IgG
204	0	Blood	1	IgG
205	1	Blood	2	IgG
206	3	Blood	3	IgG
207	7	Blood	4	IgG
208	14	Blood	5	IgG
209	30	Blood	6	IgG
210	120	Blood	7	IgG
211	0	Blood	1	IgG
212	1	Blood	2	IgG
213	3	Blood	3	IgG
214	7	Blood	4	IgG
215	14	Blood	5	IgG
216	30	Blood	6	IgG
217	120	Blood	7	IgG
218	0	Blood	1	IgG
219	1	Blood	2	IgG

220			3	Blood	3	IgG
221			7	Blood	4	IgG
222			14	Blood	5	IgG
223			30	Blood	6	IgG
224			120	Blood	7	IgG
225			0	Blood	1	IgG
226			1	Blood	2	IgG
227			3	Blood	3	IgG
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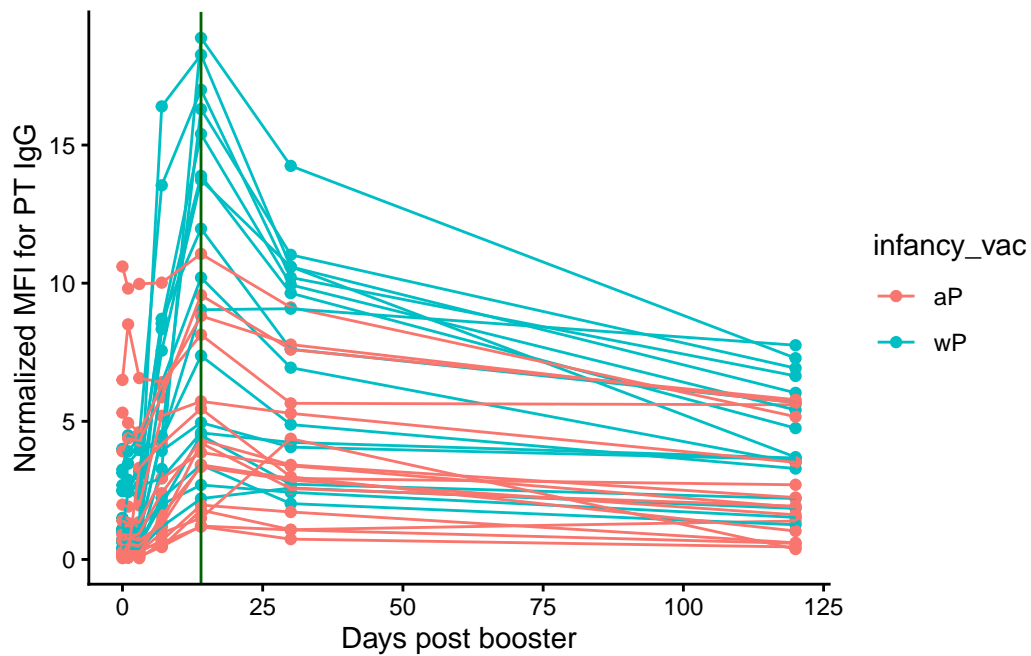
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```
pt |>
  ggplot() +
    aes(planned_day_relative_to_boost,
        MFI_normalised,
        color=infancy_vac,
        group=subject_id) +
    geom_point() +
    geom_line() +
    theme_classic() +
    geom_vline(xintercept =14, col="darkgreen") +
    labs(x="Days post booster", y="Normalized MFI for PT IgG")
```



System setup

```
sessionInfo()
```


R version 4.5.1 (2025-06-13 ucrt)
Platform: x86_64-w64-mingw32/x64
Running under: Windows 11 x64 (build 26200)

Matrix products: default
LAPACK version 3.12.1

locale:
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[2] LC_CTYPE=English_United States.utf8
[3] LC_MONETARY=English_United States.utf8
[4] LC_NUMERIC=C
[5] LC_TIME=English_United States.utf8

time zone: America/Los_Angeles
tzcode source: internal

attached base packages:
[1] stats graphics grDevices utils datasets methods base

other attached packages:
[1] dplyr_1.1.4 jsonlite_2.0.0 ggplot2_4.0.0

loaded via a namespace (and not attached):
[1] vctrs_0.6.5 cli_3.6.5 knitr_1.50 rlang_1.1.6
[5] xfun_0.53 generics_0.1.4 S7_0.2.0 labeling_0.4.3
[9] glue_1.8.0 htmltools_0.5.8.1 scales_1.4.0 rmarkdown_2.30
[13] grid_4.5.1 evaluate_1.0.5 tibble_3.3.0 fastmap_1.2.0
[17] yaml_2.3.10 lifecycle_1.0.4 compiler_4.5.1 RColorBrewer_1.1-
3
[21] pkgconfig_2.0.3 rstudioapi_0.17.1 farver_2.1.2 digest_0.6.37
[25] R6_2.6.1 tidyselect_1.2.1 pillar_1.11.1 magrittr_2.0.4
[29] withr_3.0.2 tools_4.5.1 gtable_0.3.6