Main Topics You Can Find in This "ICME-13

Topical Survey

- A thought-provoking discussion about adult learners, lifelong learning, and mathematics and their beneficial but challenging relationship;
- An extensive literature review of "adult mathematics education" and presentation of synopsis of the six emerging themes;
- A critical discussion about recent developments in adult mathematics/numeracy in terms of policies, provisions, and challenges;
- A detailed discussion of some of the paradoxes and tensions that are emerging as adult learning mathematics becomes increasingly regulated in a rapidly developing digital world;
- A discussion about five potential strategies to promote lifelong learning of mathematics among adult learners.

Opening Solder Mask PadType Panel skips 1 L Thick A1.5 W4 1 0 2 W4 2 L Thick A1.5 0 3 L Thick A1.5 W4 3 0 Thick A1.5 4 L D4 1 0 5 L Thick A1.5 D4 2 0 6 L Thick A1.5 D4 3 0 7 L Thick A1.5 L4 1 0 8 Thick A1.5 L4 2 9 L Thick A1.5 L4 3 0 10 L Thick A1.5 D6 1 0 L Thick A1.5 11 D6 2 0 12 Thick A1.5 D6 3 0 L Thick A1.5 L6 1 0 13 L Thick A1.5 L6 2 14 0 15 L Thick A1.5 L6 3 0

16	L	Thick	A1.5	D7	1	0
17	L	Thick	A1.5	D7	2	0
18	L	Thick	A1.5	D7	3	0
19	L	Thick	A1.5	L7	1	0
20	L	Thick	A1.5	L7	2	0
21	L	Thick	A1.5	L7	3	0
22	L	Thick	A1.5	L8	1	0
23	L	Thick	A1.5	L8	2	0
24	L	Thick	A1.5	L8	3	0
25	L	Thick	A1.5	W9	1	0
26	L	Thick	A1.5	W9	2	0
27	L	Thick	A1.5	W9	3	0
28	L	Thick	A1.5	L9	1	0
29	L	Thick	A1.5	L9	2	0
30	L	Thick	A1.5	L9	3	0
31	M	Thick	A1.5	W4	1	0
32	M	Thick	A1.5	W4	2	0
33	M	Thick	A1.5	W4	3	0
34	M	Thick	A1.5	D4	1	0
35	M	Thick	A1.5	D4	2	1
36	M	Thick	A1.5	D4	3	0
37	M	Thick	A1.5	L4	1	0
38	M	Thick	A1.5	L4	2	2
39	M	Thick	A1.5	L4	3	1
40	M	Thick	A1.5	D6	1	0
41	M	Thick	A1.5	D6	2	0
42	M	Thick	A1.5	D6	3	0
43	M	Thick	A1.5	L6	1	0
44	M	Thick	A1.5	L6	2	0
45	M	Thick	A1.5	L6	3	0
46	M	Thick	A1.5	D7	1	1
47	M	Thick	A1.5	D7	2	0
48	M	Thick	A1.5	D7	3	1
49	М	Thick		L7	1	1
50	M	Thick	A1.5	L7	2	0
51	М	Thick		L7	3	0
52	М	Thick		L8	1	0
53	М	Thick	A1.5	L8	2	0
54	M	Thick	A1.5	L8	3	1
55	M	Thick	A1.5	W9	1	0
56	M	Thick	A1.5	W9	2	0
57	М	Thick	A1.5	W9	3	0
58	M	Thick	A1.5	L9	1	0
59	M	Thick	A1.5	L9	2	0
60	M	Thick		L9	3	1
61	S	Thick	A1.5	W4	1	1

62	S	Thick	A1.5	W4	2	0
63	S	Thick	A1.5	W4	3	1
64	S	Thick	A1.5	D4	1	1
65	S	Thick	A1.5	D4	2	0
66	S	Thick	A1.5	D4	3	1
67	S	Thick	A1.5	L4	1	4
68	S	Thick	A1.5	L4	2	3
69	S	Thick	A1.5	L4	3	3
70	S	Thick	A1.5	D6	1	0
71	S	Thick	A1.5	D6	2	1
72	S	Thick	A1.5	D6	3	0
73	S	Thick	A1.5	L6	1	0
74	S	Thick	A1.5	L6	2	1
75	S	Thick	A1.5	L6	3	1
76	S	Thick	A1.5	D7	1	2
77	S	Thick	A1.5	D7	2	2
78	S	Thick	A1.5	D7	3	2
79	S	Thick	A1.5	L7	1	1
80	S	Thick	A1.5	L7	2	0
81	S	Thick	A1.5	L7	3	0
82	S	Thick	A1.5	L8	1	1
83	S	Thick	A1.5	L8	2	1
84	S	Thick	A1.5	L8	3	4
85	S	Thick	A1.5	W9	1	0
86	S	Thick	A1.5	W9	2	0
87	S	Thick	A1.5	W9	3	0
88	S	Thick	A1.5	L9	1	1
89	S	Thick	A1.5	L9	2	1
90	S	Thick	A1.5	L9	3	1
91	L	Thin	A1.5	W4	1	1
92	L	Thin	A1.5	W4	2	1
93	L	Thin	A1.5	W4	3	2
94	L	Thin	A1.5	D4	1	1
95	L	Thin	A1.5	D4	2	1
96	L	Thin	A1.5	D4	3	0
97	L	Thin	A1.5	L4	1	1
98	L	Thin	A1.5	L4	2	1
99	L	Thin	A1.5	L4	3	1
100	L	Thin	A1.5	D6	1	1
101	L	Thin	A1.5	D6	2	1
102	L	Thin	A1.5	D6	3	1
103	L	Thin	A1.5	L6	1	1
104	L	Thin	A1.5	L6	2	0
105	L	Thin	A1.5	L6	3	1
106	L	Thin	A1.5	D7	1	1
107	L	Thin	A1.5	D7	2	0

108	L	Thin	A1.5	D7	3	2
109	L	Thin	A1.5	L7	1	0
110	L	Thin	A1.5	L7	2	1
111	L	Thin	A1.5	L7	3	1
112	L	Thin	A1.5	L8	1	1
113	L	Thin	A1.5	L8	2	0
114	L	Thin	A1.5	L8	3	0
115	L	Thin	A1.5	W9	1	1
116	L	Thin	A1.5	W9	2	2
117	L	Thin	A1.5	W9	3	0
118	L	Thin	A1.5	L9	1	0
119	L	Thin	A1.5	L9	2	0
120	L	Thin	A1.5	L9	3	2
121	M	Thin	A1.5	W4	1	0
122	M	Thin	A1.5	W4	2	2
123	M	Thin	A1.5	W4	3	0
124	M	Thin	A1.5	D4	1	0
125	M	Thin	A1.5	D4	2	0
126	M	Thin	A1.5	D4	3	0
127	M	Thin	A1.5	L4	1	0
128	M	Thin	A1.5	L4	2	2
129	M	Thin	A1.5	L4	3	1
130	M	Thin	A1.5	D6	1	0
131	М	Thin		D6	2	0
132	М	Thin		D6	3	2
133	M	Thin		L6	1	1
134	M	Thin		L6	2	0
135	M	Thin	A1.5	L6	3	1
136	M	Thin	A1.5	D7	1	0
137	M	Thin	A1.5	D7	2	2
138	M	Thin	A1.5	D7	3	1
139	M	Thin	A1.5	L7	1	1
140	M	Thin	A1.5	L7	2	0
141	M	Thin	A1.5	L7	3	2
142	M	Thin	A1.5	L8	1	1
143	M	Thin	A1.5	L8	2	0
144	M	Thin	A1.5	L8	3	2
145	M	Thin	A1.5	W9	1	0
146	M	Thin	A1.5	W9	2	0
147	M	Thin	A1.5	W9	3	0
148	M	Thin	A1.5	L9	1	0
149	M	Thin	A1.5	L9	2	2
150	M	Thin		L9	3	1
151	S	Thin		W4	1	4
152	S	Thin		W4	2	7
153	S	Thin		W4	3	7

154	S	Thin	A1.5	D4	1	6
155	S	Thin	A1.5	D4	2	9
156	S	Thin	A1.5	D4	3	19
157	S	Thin	A1.5	L4	1	9
158	S	Thin	A1.5	L4	2	9
159	S	Thin	A1.5	L4	3	16
160	S	Thin	A1.5	D6	1	7
161	S	Thin	A1.5	D6	2	3
162	S	Thin	A1.5	D6	3	6
163	S	Thin	A1.5	L6	1	5
164	S	Thin	A1.5	L6	2	3
165	S	Thin	A1.5	L6	3	5
166	S	Thin	A1.5	D7	1	5
167	S	Thin	A1.5	D7	2	11
168	S	Thin	A1.5	D7	3	12
169	S	Thin	A1.5	L7	1	4
170	S	Thin	A1.5	L7	2	6
171	S	Thin	A1.5	L7	3	8
172	S	Thin	A1.5	L8	1	4
173	S	Thin	A1.5	L8	2	4
174	S	Thin	A1.5	L8	3	12
175	S	Thin	A1.5	W9	1	4
176	S	Thin	A1.5	W9	2	0
177	S	Thin	A1.5	W9	3	3
178	S	Thin	A1.5	L9	1	6
179	S	Thin	A1.5	L9	2	4
180	S	Thin	A1.5	L9	3	4
181	L	Thick	AЗ	W4	1	2
182	L	Thick	AЗ	W4	2	0
183	L	Thick	AЗ	W4	3	1
184	L	Thick	A3	D4	1	0
185	L	Thick	AЗ	D4	2	0
186	L	Thick	AЗ	D4	3	0
187	L	Thick	AЗ	L4	1	0
188	L	Thick	A3	L4	2	1
189	L	Thick	AЗ	L4	3	0
190	L	Thick	AЗ	D6	1	0
191	L	Thick	A3	D6	2	0
192	L	Thick	AЗ	D6	3	0
193	L	Thick	AЗ	L6	1	0
194	L	Thick	AЗ	L6	2	0
195	L	Thick	AЗ	L6	3	0
196	L	Thick	AЗ	D7	1	0
197	L	Thick	AЗ	D7	2	0
198	L	Thick	AЗ	D7	3	0
199	L	Thick	AЗ	L7	1	0

200	L	Thick	AЗ	L7	2	0
201	L	Thick	A3	L7	3	1
202	L	Thick	A3	L8	1	0
203	L	Thick	A3	L8	2	0
204	L	Thick	A3	L8	3	0
205	L	Thick	A3	W9	1	0
206	L	Thick	A3	W9	2	0
207	L	Thick	A3	W9	3	0
208	L	Thick	A3	L9	1	0
209	L	Thick	A3	L9	2	0
210	L	Thick	A3	L9	3	0
211	M	Thick	AЗ	W4	1	1
212	M	Thick	A3	W4	2	3
213	M	Thick	A3	W4	3	0
214	M	Thick	A3	D4	1	0
215	M	Thick	A3	D4	2	0
216	M	Thick	A3	D4	3	0
217	M	Thick	A3	L4	1	3
218	M	Thick	A3	L4	2	5
219	M	Thick	A3	L4	3	2
220	М	Thick	A3	D6	1	0
221	М	Thick	A3	D6	2	0
222	М	Thick	A3	D6	3	0
223	М	Thick	АЗ	L6	1	0
224	М	Thick	АЗ	L6	2	1
225	M	Thick	A3	L6	3	0
226	M	Thick	A3	D7	1	0
227	M	Thick	A3	D7	2	1
228	M	Thick	A3	D7	3	0
229	М	Thick	АЗ	L7	1	0
230	М	Thick	АЗ	L7	2	1
231	М	Thick	АЗ	L7	3	2
232	М	Thick	АЗ	L8	1	1
233	М	Thick	A3	L8	2	0
234	М	Thick	A3	L8	3	1
235	М	Thick	A3	W9	1	2
236	М	Thick	A3	W9	2	1
237	М	Thick	A3	W9	3	0
238	М	Thick	A3	L9	1	0
239	М	Thick	A3	L9	2	0
240	М	Thick	A3	L9	3	2
241	S	Thick	A3	W4	1	2
242	S	Thick	АЗ	W4	2	2
243	S	Thick	АЗ	W4	3	1
244	S	Thick	АЗ	D4	1	2
245	S	Thick	АЗ	D4	2	1

246	S	Thick	AЗ	D4	3	0	
247	S	Thick	AЗ	L4	1	0	
248	S	Thick	AЗ	L4	2	3	
249	S	Thick	AЗ	L4	3	1	
250	S	Thick	A3	D6	1	0	
251	S	Thick	A3	D6	2	0	
252	S	Thick	AЗ	D6	3	2	
253	S	Thick	A3	L6	1	1	
254	S	Thick	AЗ	L6	2	1	
255	S	Thick	AЗ	L6	3	2	
256	S	Thick	AЗ	D7	1	0	
257	S	Thick	A3	D7	2	3	
258	S	Thick	A3	D7	3	2	
259	S	Thick	A3	L7	1	2	
260	S	Thick	A3	L7	2	1	
261	S	Thick	A3	L7	3	1	
262	S	Thick	A3	L8	1	1	
263	S	Thick	A3	L8	2	3	
264	S	Thick	A3	L8	3	4	
265	S	Thick	A3	W9	1	1	
266	S	Thick	A3	W9	2	0	
267	S	Thick	A3	W9	3	0	
268	S	Thick	A3	L9	1	0	
269	S	Thick	A3	L9	2	0	
270	S	Thick	A3	L9	3	0	
271	L	Thin	AЗ	W4	1	2	
272	L	Thin	AЗ	W4	2	0	
273	L	Thin	AЗ	W4	3	2	
274	L	Thin	AЗ	D4	1	1	
275	L	Thin	AЗ	D4	2	2	
276	L	Thin	AЗ	D4	3	1	
277	L	Thin	AЗ	L4	1	3	
278	L	Thin	A3	L4	2	6	
279	L	Thin	A3	L4	3	2	
280	L	Thin	A3	D6	1	0	
281	L	Thin	A3	D6	2	0	
282	L	Thin	A3	D6	3	2	
283	L	Thin	A3	L6	1	1	
284	L	Thin	A3	L6	2	1	
285	L	Thin	A3	L6	3	1	
286	L	Thin	A3	D7	1	0	
287	L	Thin	A3	D7	2	0	
288	L	Thin	A3	D7	3	2	
289	L	Thin	A3	L7	1	0	
290	L	Thin	A3	L7	2	2	
291	L	Thin	A3	L7	3	0	

292	L	Thin	AЗ	L8	1	0
293	L	Thin	AЗ	L8	2	0
294	L	Thin	AЗ	L8	3	0
295	L	Thin	AЗ	W9	1	0
296	L	Thin	AЗ	W9	2	0
297	L	Thin	AЗ	W9	3	0
298	L	Thin	AЗ	L9	1	1
299	L	Thin	AЗ	L9	2	2
300	L	Thin	AЗ	L9	3	0
301	М	Thin	AЗ	W4	1	0
302	М	Thin	AЗ	W4	2	1
303	М	Thin	AЗ	W4	3	2
304	М	Thin	A3	D4	1	1
305	М	Thin	A3	D4	2	5
306	М	Thin	A3	D4	3	7
307	М	Thin	A3	L4	1	2
308	М	Thin	A3	L4	2	2
309	М	Thin	A3	L4	3	12
310	М	Thin	A3	D6	1	2
311	М	Thin	A3	D6	2	0
312	М	Thin	A3	D6	3	4
313	М	Thin	A3	L6	1	1
314	М	Thin	A3	L6	2	3
315	М	Thin	A3	L6	3	1
316	M	Thin	A3	D7	1	3
317	M	Thin	A3	D7	2	4
318	M	Thin	A3	D7	3	6
319	M	Thin	A3	L7	1	0
320	M	Thin	A3	L7 L7	2	0
321	M	Thin	A3	L7 L7	3	0
322	M	Thin	A3	L8	1	2
323	М	Thin	A3	L8	2	0
324	М	Thin	A3	L8	3	5
325	М	Thin	A3	W9	1	1
326	М	Thin	A3	W9	2	0
327	М	Thin	A3	W9	3	0
328	М	Thin	A3	L9	1	0
329	М	Thin	A3	L9	2	3
330	M	Thin	A3	L9	3	5
331	S	Thin	A3	W4	1	6
332	S	Thin	A3	W4	2	16
333	S	Thin	A3	W4	3	4
334	S	Thin	A3	D4	1	6
335	S	Thin	A3	D4	2	16
336	S	Thin	A3	D4	3	15
337	S	Thin	A3	L4	1	16

338	S	Thin	A3	L4	2	23
339	S	Thin	A3	L4	3	16
340	S	Thin	A3	D6	1	6
341	S	Thin	A3	D6	2	11
342	S	Thin	A3	D6	3	8
343	S	Thin	A3	L6	1	6
344	S	Thin	A3	L6	2	10
345	S	Thin	A3	L6	3	9
346	S	Thin	A3	D7	1	8
347	S	Thin	A3	D7	2	12
348	S	Thin	A3	D7	3	11
349	S	Thin	A3	L7	1	8
350	S	Thin	A3	L7	2	4
351	S	Thin	A3	L7	3	6
352	S	Thin	A3	L8	1	5
353	S	Thin	A3	L8	2	12
354	S	Thin	A3	L8	3	8
355	S	Thin	A3	W9	1	0
356	S	Thin	A3	W9	2	2
357	S	Thin	A3	W9	3	0
358	S	Thin	A3	L9	1	7
359	S	Thin	A3	L9	2	13
360	S	Thin	A3	L9	3	11
361	L	Thick	A3	W4	1	0
362	L	Thick	A3	W4	2	0
363	L	Thick	A3	W4	3	0
364	L	Thick	A3	D4	1	0
365	L	Thick	A3	D4	2	0
366	L	Thick	A3	D4	3	0
367	L	Thick	A3	L4	1	0
368	L	Thick	A3	L4	2	0
369	L	Thick	A3	L4	3	0
370	L	Thick	A3	D6	1	0
371	L	Thick	A3	D6	2	0
372	L	Thick	A3	D6	3	0
373	L	Thick	A3	L6	1	0
374	L	Thick	A3	L6	2	0
375	L	Thick	A3	L6	3	0
376	L	Thick	A3	D7	1	0
377	L	Thick	A3	D7	2	0
378	L	Thick	A3	D7	3	0
379	L	Thick	A3	L7	1	0
380	L	Thick	A3	L7	2	0
381	L	Thick	A3	L7	3	0
382	L	Thick	A3	L8	1	0
383	L	Thick	A3	L8	2	0

384	L	Thick	A3	L8	3	0
385	L	Thick	AЗ	W9	1	0
386	L	Thick	AЗ	W9	2	0
387	L	Thick	A3	W9	3	0
388	L	Thick	A3	L9	1	0
389	L	Thick	A3	L9	2	0
390	L	Thick	A3	L9	3	0
391	M	Thick	A6	W4	1	6
392	M	Thick	A6	W4	2	4
393	M	Thick	A6	W4	3	7
394	M	Thick	A6	D4	1	13
395	M	Thick	A6	D4	2	9
396	M	Thick	A6	D4	3	8
397	M	Thick	A6	L4	1	19
398	M	Thick	A6	L4	2	21
399	M	Thick	A6	L4	3	22
400	M	Thick	A6	D6	1	12
401	M	Thick	A6	D6	2	2
402	M	Thick	A6	D6	3	8
403	M	Thick	A6	L6	1	10
404	M	Thick	A6	L6	2	6
405	M	Thick	A6	L6	3	7
406	M	Thick	A6	D7	1	14
407	M	Thick	A6	D7	2	7
408	M	Thick	A6	D7	3	11
409	M	Thick	A6	L7	1	8
410	M	Thick	A6	L7	2	10
411	M	Thick	A6	L7	3	12
412	M	Thick	A6	L8	1	11
413	M	Thick	A6	L8	2	9
414	M	Thick	A6	L8	3	12
415	M	Thick	A6	W9	1	1
416	M	Thick	A6	W9	2	5
417	M	Thick	A6	W9	3	1
418	M	Thick	A6	L9	1	7
419	M	Thick	A6	L9	2	4
420	M	Thick	A6	L9	3	14
421	S	Thick	A3	W4	1	3
422	S	Thick	AЗ	W4	2	5
423	S	Thick	AЗ	W4	3	4
424	S	Thick	AЗ	D4	1	0
425	S	Thick	A3	D4	2	2
426	S	Thick	A3	D4	3	5
427	S	Thick	A3	L4	1	11
428	S	Thick	A3	L4	2	5
429	S	Thick	АЗ	L4	3	4

430	S	Thick	A3	D6	1	2
431	S	Thick	A3	D6	2	2
432	S	Thick	A3	D6	3	2
433	S	Thick	A3	L6	1	5
434	S	Thick	A3	L6	2	6
435	S	Thick	A3	L6	3	6
436	S	Thick	A3	D7	1	4
437	S	Thick	A3	D7	2	4
438	S	Thick	A3	D7	3	10
439	S	Thick	A3	L7	1	8
440	S	Thick	A3	L7	2	7
441	S	Thick	A3	L7	3	6
442	S	Thick	A3	L8	1	7
443	S	Thick	A3	L8	2	6
444	S	Thick	A3	L8	3	8
445	S	Thick	A3	W9	1	2
446	S	Thick	A3	W9	2	1
447	S	Thick	A3	W9	3	1
448	S	Thick	A3	L9	1	0
449	S	Thick	A3	L9	2	4
450	S	Thick	A3	L9	3	4
451	L	Thin	АЗ	W4	1	0
452	L	Thin	АЗ	W4	2	2
453	L	Thin	АЗ	W4	3	1
454	L	Thin	АЗ	D4	1	0
455	L	Thin	A3	D4	2	7
456	L	Thin	A3	D4	3	8
457	L	Thin	A3	L4	1	2
458	L	Thin	A3	L4	2	2
459	L	Thin	A3	L4	3	3
460	L	Thin	A3	D6	1	0
461	L	Thin	АЗ	D6	2	5
462	L	Thin	АЗ	D6	3	3
463	L	Thin	A3	L6	1	0
464	L	Thin	A3	L6	2	0
465	L	Thin	A3	L6	3	1
466	L	Thin	A3	D7	1	1
467	L	Thin	A3	D7	2	5
468	L	Thin	A3	D7	3	5
469	L	Thin	A3	L7	1	1
470	L	Thin	A3	L7	2	0
471	L	Thin	A3	L7	3	3
472	L	Thin	A3	L8	1	1
473	L	Thin	A3	L8	2	2
474	L	Thin	A3	L8	3	2
475	L	Thin	AЗ	W9	1	0

476	L	Thin	AЗ	W9	2	2
477	L	Thin	AЗ	W9	3	0
478	L	Thin	A3	L9	1	0
479	L	Thin	A3	L9	2	0
480	L	Thin	A3	L9	3	4
481	M	Thin	A6	W4	1	7
482	M	Thin	A6	W4	2	5
483	M	Thin	A6	W4	3	10
484	M	Thin	A6	D4	1	10
485	M	Thin	A6	D4	2	22
486	M	Thin	A6	D4	3	24
487	M	Thin	A6	L4	1	13
488	M	Thin	A6	L4	2	21
489	M	Thin	A6	L4	3	18
490	M	Thin	A6	D6	1	8
491	M	Thin	A6	D6	2	3
492	M	Thin	A6	D6	3	8
493	M	Thin	A6	L6	1	2
494	M	Thin	A6	L6	2	4
495	M	Thin	A6	L6	3	6
496	M	Thin	A6	D7	1	7
497	M	Thin	A6	D7	2	13
498	M	Thin	A6	D7	3	19
499	M	Thin	A6	L7	1	4
500	M	Thin	A6	L7	2	8
501	M	Thin	A6	L7	3	8
502	M	Thin	A6	L8	1	7
503	M	Thin	A6	L8	2	9
504	M	Thin	A6	L8	3	8
505	M	Thin	A6	W9	1	3
506	M	Thin	A6	W9	2	0
507	M	Thin	A6	W9	3	1
508	M	Thin	A6	L9	1	3
509	M	Thin	A6	L9	2	7
510	M	Thin	A6	L9	3	15
511	S	Thin	A6	W4	1	16
512	S	Thin	A6	W4	2	34
513	S	Thin	A6	W4	3	34
514	S	Thin	A6	D4	1	20
515	S	Thin	A6	D4	2	39
516	S	Thin	A6	D4	3	40
517	S	Thin	A6	L4	1	25
518	S	Thin	A6	L4	2	37
519	S	Thin	A6	L4	3	33
520	S	Thin	A6	D6	1	15
521	S	Thin	A6	D6	2	28

522	S	Thin	A6	D6	3	29
523	S	Thin	A6	L6	1	7
524	S	Thin	A6	L6	2	15
525	S	Thin	A6	L6	3	18
526	S	Thin	A6	D7	1	24
527	S	Thin	A6	D7	2	33
528	S	Thin	A6	D7	3	36
529	S	Thin	A6	L7	1	13
530	S	Thin	A6	L7	2	19
531	S	Thin	A6	L7	3	23
532	S	Thin	A6	L8	1	15
533	S	Thin	A6	L8	2	20
534	S	Thin	A6	L8	3	22
535	S	Thin	A6	W9	1	3
536	S	Thin	A6	W9	2	4
537	S	Thin	A6	W9	3	6
538	S	Thin	A6	L9	1	8
539	S	Thin	A6	L9	2	17
540	S	Thin	A6	L9	3	22
541	L	Thick	В3	W4	1	0
542	L	Thick	В3	W4	2	0
543	L	Thick	ВЗ	W4	3	1
544	L	Thick	ВЗ	D4	1	0
545	L	Thick	ВЗ	D4	2	0
546	L	Thick	ВЗ	D4	3	0
547	L	Thick	В3	L4	1	1
548	L	Thick	В3	L4	2	5
549	L	Thick	В3	L4	3	2
550	L	Thick	В3	D6	1	0
551	L	Thick	В3	D6	2	1
552	L	Thick	В3	D6	3	3
553	L	Thick	ВЗ	L6	1	3
554	L	Thick	В3	L6	2	3
555	L	Thick	В3	L6	3	1
556	L	Thick	В3	D7	1	0
557	L	Thick	В3	D7	2	0
558	L	Thick	В3	D7	3	2
559	L	Thick	В3	L7	1	0
560	L	Thick	В3	L7	2	2
561	L	Thick	В3	L7	3	0
562	L	Thick	В3	L8	1	3
563	L	Thick	В3	L8	2	2
564	L	Thick	В3	L8	3	2
565	L	Thick	В3	W9	1	0
566	L	Thick	В3	W9	2	0
567	L	Thick	В3	W9	3	0

568	L	Thick	вз	L9	1	0
569	L	Thick	В3	L9	2	0
570	L	Thick	В3	L9	3	0
571	М	Thick	В3	W4	1	0
572	М	Thick	В3	W4	2	1
573	М	Thick	В3	W4	3	0
574	М	Thick	В3	D4	1	2
575	М	Thick	В3	D4	2	0
576	М	Thick	В3	D4	3	0
577	М	Thick	В3	L4	1	0
578	М	Thick	В3	L4	2	3
579	М	Thick	В3	L4	3	1
580	М	Thick	В3	D6	1	0
581	М	Thick	В3	D6	2	0
582	М	Thick	В3	D6	3	0
583	М	Thick	В3	L6	1	2
584	М	Thick	В3	L6	2	2
585	М	Thick	В3	L6	3	1
586	М	Thick	В3	D7	1	2
587	М	Thick	В3	D7	2	2
588	М	Thick	В3	D7	3	1
589	М	Thick	В3	L7	1	2
590	М	Thick	В3	L7	2	1
591	М	Thick	В3	L7	3	0
592	М	Thick	В3	L8	1	1
593	М	Thick	В3	L8	2	1
594	М	Thick	В3	L8	3	0
595	М	Thick	В3	W9	1	0
596	М	Thick	В3	W9	2	0
597	М	Thick	В3	W9	3	1
598	М	Thick	В3	L9	1	1
599	М	Thick	В3	L9	2	2
600	М	Thick	В3	L9	3	1
601	S	Thick	В3	W4	1	2
602	S	Thick	В3	W4	2	6
603	S	Thick	В3	W4	3	5
604	S	Thick	В3	D4	1	9
605	S	Thick	В3	D4	2	9
606	S	Thick	В3	D4	3	10
607	S	Thick	В3	L4	1	10
608	S	Thick	В3	L4	2	14
609	S	Thick	В3	L4	3	19
610	S	Thick	В3	D6	1	2
611	S	Thick	В3	D6	2	6
612	S	Thick	В3	D6	3	6
613	S	Thick	В3	L6	1	2

614	S	Thick	В3	L6	2	2
615	S	Thick	В3	L6	3	7
616	S	Thick	В3	D7	1	7
617	S	Thick	В3	D7	2	7
618	S	Thick	В3	D7	3	10
619	S	Thick	В3	L7	1	14
620	S	Thick	В3	L7	2	8
621	S	Thick	В3	L7	3	6
622	S	Thick	В3	L8	1	9
623	S	Thick	В3	L8	2	8
624	S	Thick	В3	L8	3	8
625	S	Thick	В3	W9	1	2
626	S	Thick	В3	W9	2	1
627	S	Thick	В3	W9	3	1
628	S	Thick	В3	L9	1	3
629	S	Thick	В3	L9	2	5
630	S	Thick	В3	L9	3	6
631	L	Thin	В3	W4	1	0
632	L	Thin	В3	W4	2	1
633	L	Thin	В3	W4	3	2
634	L	Thin	В3	D4	1	0
635	L	Thin	В3	D4	2	5
636	L	Thin	В3	D4	3	5
637	L	Thin	В3	L4	1	3
638	L	Thin	В3	L4	2	9
639	L	Thin	В3	L4	3	6
640	L	Thin	В3	D6	1	3
641	L	Thin	В3	D6	2	1
642	L	Thin	В3	D6	3	1
643	L	Thin	В3	L6	1	0
644	L	Thin	В3	L6	2	4
645	L	Thin	В3	L6	3	3
646	L	Thin	В3	D7	1	0
647	L	Thin	В3	D7	2	2
648	L	Thin	В3	D7	3	5
649	L	Thin	В3	L7	1	2
650	L	Thin	В3	L7	2	2
651	L	Thin	В3	L7	3	5
652	L	Thin	В3	L8	1	1
653	L	Thin	В3	L8	2	4
654	L	Thin	В3	L8	3	3
655	L	Thin	ВЗ	W9	1	0
656	L	Thin	В3	W9	2	1
657	L	Thin	В3	W9	3	1
658	L	Thin	В3	L9	1	0
659	L	Thin	В3	L9	2	0

660	L	Thin	В3	L9	3	0
661	M	Thin	В3	W4	1	0
662	M	Thin	В3	W4	2	1
663	M	Thin	В3	W4	3	8
664	M	Thin	В3	D4	1	0
665	M	Thin	В3	D4	2	3
666	M	Thin	В3	D4	3	7
667	M	Thin	В3	L4	1	0
668	M	Thin	В3	L4	2	3
669	M	Thin	В3	L4	3	4
670	M	Thin	В3	D6	1	1
671	M	Thin	В3	D6	2	1
672	M	Thin	В3	D6	3	2
673	M	Thin	В3	L6	1	0
674	M	Thin	В3	L6	2	2
675	M	Thin	вз	L6	3	1
676	M	Thin	вз	D7	1	1
677	M	Thin	вз	D7	2	2
678	M	Thin	вз	D7	3	3
679	M	Thin	вз	L7	1	2
680	M	Thin	вз	L7	2	2
681	M	Thin	вз	L7	3	2
682	M	Thin	вз	L8	1	1
683	M	Thin	вз	L8	2	5
684	M	Thin	вз	L8	3	2
685	M	Thin	вз	W9	1	0
686	M	Thin	вз	W9	2	0
687	M	Thin	вз	W9	3	0
688	M	Thin	вз	L9	1	0
689	M	Thin	вз	L9	2	0
690	M	Thin	вз	L9	3	4
691	S	Thin	вз	W4	1	16
692	S	Thin	вз	W4	2	27
693	S	Thin	вз	W4	3	28
694	S	Thin	вз	D4	1	24
695	S	Thin	вз	D4	2	29
696	S	Thin	вз	D4	3	25
697	S	Thin	вз	L4	1	24
698	S	Thin	вз	L4	2	34
699	S	Thin	вз	L4	3	32
700	S	Thin	вз	D6	1	17
701	S	Thin	вз	D6	2	27
702	S	Thin	вз	D6	3	22
703	S	Thin	вз	L6	1	15
704	S	Thin	В3	L6	2	11
705	S	Thin	В3	L6	3	13
			-	-	-	-

706	S	Thin	вз	D7	1	19
707	S	Thin	вз	D7	2	24
708	S	Thin	вз	D7	3	23
709	S	Thin	В3	L7	1	20
710	S	Thin	В3	L7	2	18
711	S	Thin	В3	L7	3	11
712	S	Thin	В3	L8	1	20
713	S	Thin	В3	L8	2	28
714	S	Thin	В3	L8	3	16
715	S	Thin	В3	W9	1	5
716	S	Thin	В3	W9	2	3
717	S	Thin	В3	W9	3	4
718	S	Thin	В3	L9	1	12
719	S	Thin	В3	L9	2	14
720	S	Thin	В3	L9	3	16
721	L	Thick	В6	W4	1	6
722	L	Thick	В6	W4	2	8
723	L	Thick	В6	W4	3	3
724	L	Thick	В6	D4	1	1
725	L	Thick	В6	D4	2	0
726	L	Thick	В6	D4	3	1
727	L	Thick	В6	L4	1	0
728	L	Thick	В6	L4	2	0
729	L	Thick	В6	L4	3	0
730	L	Thick	В6	D6	1	0
731	L	Thick	В6	D6	2	0
732	L	Thick	В6	D6	3	0
733	L	Thick	В6	L6	1	0
734	L	Thick	В6	L6	2	0
735	L	Thick	В6	L6	3	0
736	L	Thick	В6	D7	1	0
737	L	Thick	В6	D7	2	0
738	L	Thick	В6	D7	3	0
739	L	Thick	В6	L7	1	0
740	L	Thick	В6	L7	2	0
741	L	Thick	В6	L7	3	0
742	L	Thick	В6	L8	1	1
743	L	Thick	В6	L8	2	0
744	L	Thick	В6	L8	3	0
745	L	Thick	В6	W9	1	1
746	L	Thick	В6	W9	2	1
747	L	Thick	В6	W9	3	0
748	L	Thick	В6	L9	1	0
749	L	Thick	В6	L9	2	1
750	L	Thick	В6	L9	3	0
751	M	Thick	В6	W4	1	0

752	M	Thick	В6	W4	2	2
753	M	Thick	В6	W4	3	2
754	M	Thick	В6	D4	1	2
755	M	Thick	В6	D4	2	5
756	M	Thick	В6	D4	3	0
757	M	Thick	В6	L4	1	5
758	M	Thick	В6	L4	2	9
759	M	Thick	В6	L4	3	6
760	M	Thick	В6	D6	1	0
761	M	Thick	В6	D6	2	2
762	M	Thick	В6	D6	3	0
763	M	Thick	В6	L6	1	4
764	M	Thick	В6	L6	2	1
765	M	Thick	В6	L6	3	1
766	M	Thick	В6	D7	1	5
767	M	Thick	В6	D7	2	4
768	M	Thick	В6	D7	3	1
769	M	Thick	В6	L7	1	4
770	M	Thick	В6	L7	2	3
771	M	Thick	В6	L7	3	1
772	M	Thick	В6	L8	1	5
773	M	Thick	В6	L8	2	10
774	M	Thick	В6	L8	3	2
775	M	Thick	В6	W9	1	0
776	M	Thick	В6	W9	2	2
777	M	Thick	В6	W9	3	0
778	M	Thick	В6	L9	1	0
779	M	Thick	В6	L9	2	2
780	M	Thick	В6	L9	3	0
781	S	Thick	В6	W4	1	17
782	S	Thick	В6	W4	2	10
783	S	Thick	В6	W4	3	12
784	S	Thick	В6	D4	1	9
785	S	Thick	В6	D4	2	22
786	S	Thick	В6	D4	3	18
787	S	Thick	В6	L4	1	29
788	S	Thick	В6	L4	2	30
789	S	Thick	В6	L4	3	27
790	S	Thick	В6	D6	1	13
791	S	Thick	В6	D6	2	13
792	S	Thick	В6	D6	3	19
793	S	Thick	В6	L6	1	7
794	S	Thick	В6	L6	2	14
795	S	Thick	В6	L6	3	6
796	S	Thick	В6	D7	1	13
797	S	Thick	В6	D7	2	19

799 S Thick B6 L7 1 800 S Thick B6 L7 2 801 S Thick B6 L7 3 802 S Thick B6 L8 1 803 S Thick B6 L8 2 804 S Thick B6 L8 3 805 S Thick B6 W9 1 806 S Thick B6 W9 2 807 S Thick B6 W9 3 808 S Thick B6 L9 1 809 S Thick B6 L9 2 810 S Thick B6 L9 3 811 L Thin B6 W4 1 812 L Thin B6 W4 2 813 L Thin	13 21 13 14 15 11 2 5 5 10 7 8 13 11 17
801 S Thick B6 L7 3 802 S Thick B6 L8 1 803 S Thick B6 L8 2 804 S Thick B6 L8 3 805 S Thick B6 W9 1 806 S Thick B6 W9 2 807 S Thick B6 W9 3 808 S Thick B6 L9 1 809 S Thick B6 L9 2 810 S Thick B6 L9 3 811 L Thin B6 W4 1 812 L Thin B6 W4 2 813 L Thin B6 W4 3 814 L Thin B6 D4 1 815 L Thin B6 D4 2 816 L Thin B6 D4	13 14 15 11 2 5 5 10 7 8 13
802 S Thick B6 L8 1 803 S Thick B6 L8 2 804 S Thick B6 L8 3 805 S Thick B6 W9 1 806 S Thick B6 W9 2 807 S Thick B6 W9 3 808 S Thick B6 L9 1 809 S Thick B6 L9 2 810 S Thick B6 L9 3 811 L Thin B6 W4 1 812 L Thin B6 W4 2 813 L Thin B6 W4 3 814 L Thin B6 D4 1 815 L Thin B6 D4 2 816 L Thin B6 D4 3	14 15 11 2 5 5 10 7 8 13
803 S Thick B6 L8 2 804 S Thick B6 L8 3 805 S Thick B6 W9 1 806 S Thick B6 W9 2 807 S Thick B6 W9 3 808 S Thick B6 L9 1 809 S Thick B6 L9 2 810 S Thick B6 L9 3 811 L Thin B6 W4 1 812 L Thin B6 W4 2 813 L Thin B6 W4 3 814 L Thin B6 D4 1 815 L Thin B6 D4 2 816 L Thin B6 D4 3	15 11 2 5 5 10 7 8 13
804 S Thick B6 L8 3 805 S Thick B6 W9 1 806 S Thick B6 W9 2 807 S Thick B6 W9 3 808 S Thick B6 L9 1 809 S Thick B6 L9 2 810 S Thick B6 L9 3 811 L Thin B6 W4 1 812 L Thin B6 W4 2 813 L Thin B6 W4 3 814 L Thin B6 D4 1 815 L Thin B6 D4 2 816 L Thin B6 D4 3	11 2 5 5 10 7 8 13 11
805 S Thick B6 W9 1 806 S Thick B6 W9 2 807 S Thick B6 W9 3 808 S Thick B6 L9 1 809 S Thick B6 L9 2 810 S Thick B6 L9 3 811 L Thin B6 W4 1 812 L Thin B6 W4 2 813 L Thin B6 W4 3 814 L Thin B6 D4 1 815 L Thin B6 D4 2 816 L Thin B6 D4 3	2 5 5 10 7 8 13
806 S Thick B6 W9 2 807 S Thick B6 W9 3 808 S Thick B6 L9 1 809 S Thick B6 L9 2 810 S Thick B6 L9 3 811 L Thin B6 W4 1 812 L Thin B6 W4 2 813 L Thin B6 W4 3 814 L Thin B6 D4 1 815 L Thin B6 D4 2 816 L Thin B6 D4 3	5 5 10 7 8 13 11
807 S Thick B6 W9 3 808 S Thick B6 L9 1 809 S Thick B6 L9 2 810 S Thick B6 L9 3 811 L Thin B6 W4 1 812 L Thin B6 W4 2 813 L Thin B6 W4 3 814 L Thin B6 D4 1 815 L Thin B6 D4 2 816 L Thin B6 D4 3	5 10 7 8 13 11
808 S Thick B6 L9 1 809 S Thick B6 L9 2 810 S Thick B6 L9 3 811 L Thin B6 W4 1 812 L Thin B6 W4 2 813 L Thin B6 W4 3 814 L Thin B6 D4 1 815 L Thin B6 D4 2 816 L Thin B6 D4 3	10 7 8 13 11
809 S Thick B6 L9 2 810 S Thick B6 L9 3 811 L Thin B6 W4 1 812 L Thin B6 W4 2 813 L Thin B6 W4 3 814 L Thin B6 D4 1 815 L Thin B6 D4 2 816 L Thin B6 D4 3	7 8 13 11
810 S Thick B6 L9 3 811 L Thin B6 W4 1 812 L Thin B6 W4 2 813 L Thin B6 W4 3 814 L Thin B6 D4 1 815 L Thin B6 D4 2 816 L Thin B6 D4 3	8 13 11
811 L Thin B6 W4 1 812 L Thin B6 W4 2 813 L Thin B6 W4 3 814 L Thin B6 D4 1 815 L Thin B6 D4 2 816 L Thin B6 D4 3	13 11
812 L Thin B6 W4 2 813 L Thin B6 W4 3 814 L Thin B6 D4 1 815 L Thin B6 D4 2 816 L Thin B6 D4 3	11
813 L Thin B6 W4 3 814 L Thin B6 D4 1 815 L Thin B6 D4 2 816 L Thin B6 D4 3	
814 L Thin B6 D4 1 815 L Thin B6 D4 2 816 L Thin B6 D4 3	17
815 L Thin B6 D4 2 816 L Thin B6 D4 3	Ι/
816 L Thin B6 D4 3	4
	11
047 I This DC IA 4	15
817 L Thin B6 L4 1	6
818 L Thin B6 L4 2	17
819 L Thin B6 L4 3	12
820 L Thin B6 D6 1	3
821 L Thin B6 D6 2	3
822 L Thin B6 D6 3	7
823 L Thin B6 L6 1	4
824 L Thin B6 L6 2	6
825 L Thin B6 L6 3	3
826 L Thin B6 D7 1	7
827 L Thin B6 D7 2	11
828 L Thin B6 D7 3	10
829 L Thin B6 L7 1	3
830 L Thin B6 L7 2	3
831 L Thin B6 L7 3	5
832 L Thin B6 L8 1	5
833 L Thin B6 L8 2	11
834 L Thin B6 L8 3	9
835 L Thin B6 W9 1	1
836 L Thin B6 W9 2	0
837 L Thin B6 W9 3	0
838 L Thin B6 L9 1	7
839 L Thin B6 L9 2	8
840 L Thin B6 L9 3	4
841 M Thin B6 W4 1	5
842 M Thin B6 W4 2	7
843 M Thin B6 W4 3	9

844	M	Thin	В6	D4	1	5
845	M	Thin	В6	D4	2	21
846	M	Thin	В6	D4	3	14
847	M	Thin	В6	L4	1	9
848	M	Thin	В6	L4	2	17
849	M	Thin	В6	L4	3	15
850	M	Thin	В6	D6	1	3
851	M	Thin	В6	D6	2	7
852	M	Thin	В6	D6	3	4
853	M	Thin	В6	L6	1	5
854	M	Thin	В6	L6	2	4
855	M	Thin	В6	L6	3	4
856	M	Thin	В6	D7	1	7
857	M	Thin	В6	D7	2	14
858	M	Thin	В6	D7	3	7
859	M	Thin	В6	L7	1	7
860	M	Thin	В6	L7	2	7
861	M	Thin	В6	L7	3	4
862	M	Thin	В6	L8	1	8
863	M	Thin	В6	L8	2	5
864	M	Thin	В6	L8	3	11
865	M	Thin	В6	W9	1	3
866	M	Thin	В6	W9	2	4
867	M	Thin	В6	W9	3	5
868	M	Thin	В6	L9	1	0
869	M	Thin	В6	L9	2	8
870	M	Thin	В6	L9	3	9
871	S	Thin	В6	W4	1	46
872	S	Thin	В6	W4	2	48
873	S	Thin	В6	W4	3	45
874	S	Thin	В6	D4	1	39
875	S	Thin	В6	D4	2	44
876	S	Thin	В6	D4	3	45
877	S	Thin	В6	L4	1	39
878	S	Thin	В6	L4	2	41
879	S	Thin	В6	L4	3	42
880	S	Thin	В6	D6	1	34
881	S	Thin	В6	D6	2	44
882	S	Thin	В6	D6	3	30
883	S	Thin	В6	L6	1	13
884	S	Thin	В6	L6	2	25
885	S	Thin	В6	L6	3	20
886	S	Thin	B6	D7	1	36
887	S	Thin	B6	D7	2	43
888	S	Thin	B6	D7	3	35
889	S	Thin	В6	L7	1	11

```
890
              Thin
                     B6
                              L7
                                          29
          S
                              L7
                                          20
891
              Thin
                     В6
                                     3
          S
             Thin
892
                     B6
                              L8
                                     1
                                          15
893
          S
              Thin
                                          31
                     B6
                              L8
                                     2
894
          S
              Thin
                     B6
                              L8
                                     3
                                          26
895
          S
             Thin
                     B6
                              W9
                                     1
                                          13
896
          S
             Thin
                     В6
                              W9
                                     2
                                          21
          S
897
              Thin
                     B6
                              W9
                                     3
                                          15
898
          S
              Thin
                     В6
                              L9
                                     1
                                          11
          S
899
              Thin
                     В6
                              L9
                                     2
                                          33
900
          S
              Thin
                     В6
                              L9
                                     3
                                          15
> # Dotson (1990) Page 93: Randomized Controlled Trial :
> counts <- c(18,17,15,20,10,20,25,13,12)
> outcome <- gl(3,1,9)
> treatment <- g1(3,3)
> data.frame(treatment, outcome, counts) #showing data
  treatment outcome counts
1
          1
                  1
2
          1
                  2
                         17
3
          1
                  3
                         15
4
          2
                  1
                         20
5
          2
                  2
                        10
6
          2
                  3
                        20
7
          3
                  1
                        25
8
          3
                  2
                         13
9
          3
                  3
                         12
> glm.D93 <- glm(counts ~ outcome + treatment, family = poisson())</pre>
> anova(glm.D93)
Analysis of Deviance Table
Model: poisson, link: log
```

Response: counts

Terms added sequentially (first to last)

```
Df Deviance Resid. Df Resid. Dev
NULL
                               8
                                    10.5814
outcome
           2
               5.4523
                               6
                                     5.1291
treatment 2
               0.0000
                                     5.1291
```

> summary(glm.D93)

```
Call:
glm(formula = counts ~ outcome + treatment, family = poisson())
Deviance Residuals:
                                                        6
                                                                  7
-0.67125
          0.96272 -0.16965 -0.21999 -0.95552 1.04939
                                                          0.84715 -0.09167
-0.96656
Coefficients:
             Estimate Std. Error z value Pr(>|z|)
(Intercept) 3.045e+00 1.709e-01 17.815
                                         <2e-16 ***
           -4.543e-01 2.022e-01 -2.247
outcome2
                                           0.0246 *
outcome3
           -2.930e-01 1.927e-01 -1.520
                                          0.1285
treatment2 1.217e-15 2.000e-01 0.000
                                           1.0000
treatment3 8.438e-16 2.000e-01 0.000
                                           1.0000
Signif. codes: 0 '***, 0.001 '**, 0.01 '*, 0.05 '., 0.1 ', 1
(Dispersion parameter for poisson family taken to be 1)
   Null deviance: 10.5814 on 8 degrees of freedom
Residual deviance: 5.1291 on 4 degrees of freedom
AIC: 56.761
Number of Fisher Scoring iterations: 4
> ## Computing AIC [in many ways]:
> (AO \leftarrow AIC(glm.D93))
[1] 56.76132
> (11 <- logLik(glm.D93))
'log Lik.' -23.38066 (df=5)
> A1 <- -2*c(l1) + 2*attr(l1, "df")
> A2 <- glm.D93$family$aic(counts, mu=fitted(glm.D93), wt=1) +
    2 * length(coef(glm.D93))
> stopifnot(exprs = {
   all.equal(A0, A1)
   all.equal(A1, A2)
   all.equal(A1, glm.D93$aic)
> # an example with offsets from Venables & Ripley (2002, p.189)
```

>

```
> utils::data(anorexia, package = "MASS")
> anorex.1 <- glm(Postwt ~ Prewt + Treat + offset(Prewt),
                 family = gaussian, data = anorexia)
> summary(anorex.1)
Call:
glm(formula = Postwt ~ Prewt + Treat + offset(Prewt), family = gaussian,
    data = anorexia)
Deviance Residuals:
    Min 1Q Median
                                   3Q
                                            Max
-14.1083 -4.2773 -0.5484
                               5.4838
                                        15.2922
Coefficients:
           Estimate Std. Error t value Pr(>|t|)
(Intercept) 49.7711 13.3910 3.717 0.000410 ***
            -0.5655
                        0.1612 -3.509 0.000803 ***
Prewt
TreatCont
            -4.0971
                        1.8935 -2.164 0.033999 *
TreatFT
            4.5631
                        2.1333 2.139 0.036035 *
Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' ' 1
(Dispersion parameter for gaussian family taken to be 48.69504)
    Null deviance: 4525.4 on 71 degrees of freedom
Residual deviance: 3311.3 on 68 degrees of freedom
AIC: 489.97
Number of Fisher Scoring iterations: 2
> ## A Gamma example, from McCullagh & Nelder (1989, pp. 300-2)
> clotting <- data.frame(
   u = c(5,10,15,20,30,40,60,80,100),
   lot1 = c(118, 58, 42, 35, 27, 25, 21, 19, 18),
    lot2 = c(69, 35, 26, 21, 18, 16, 13, 12, 12))
> summary(glm(lot1 ~ log(u), data = clotting, family = Gamma))
Call:
glm(formula = lot1 ~ log(u), family = Gamma, data = clotting)
Deviance Residuals:
    Min
               1Q
                     Median
                                   3Q
                                            Max
-0.04008 -0.03756 -0.02637
                              0.02905
                                        0.08641
Coefficients:
              Estimate Std. Error t value Pr(>|t|)
```

```
(Intercept) -0.0165544 0.0009275 -17.85 4.28e-07 ***
            0.0153431 0.0004150 36.98 2.75e-09 ***
log(u)
Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
(Dispersion parameter for Gamma family taken to be 0.002446059)
   Null deviance: 3.51283 on 8 degrees of freedom
Residual deviance: 0.01673 on 7 degrees of freedom
AIC: 37.99
Number of Fisher Scoring iterations: 3
> summary(glm(lot2 ~ log(u), data = clotting, family = Gamma))
Call:
glm(formula = lot2 ~ log(u), family = Gamma, data = clotting)
Deviance Residuals:
    Min
               1Q
                    Median
                                  ЗQ
-0.05574 -0.02925
                    0.01030 0.01714
                                       0.06371
Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept) -0.0239085 0.0013265 -18.02 4.00e-07 ***
          log(u)
Signif. codes: 0 '***, 0.001 '**, 0.01 '*, 0.05 '., 0.1 ', 1
(Dispersion parameter for Gamma family taken to be 0.001813354)
   Null deviance: 3.118557 on 8 degrees of freedom
Residual deviance: 0.012672 on 7 degrees of freedom
AIC: 27.032
Number of Fisher Scoring iterations: 3
> # Aliased ("S"singular) -> 1 NA coefficient
> (fS \leftarrow glm(lot2 \sim log(u) + log(u^2), data = clotting, family = Gamma))
Call: glm(formula = lot2 ~ log(u) + log(u^2), family = Gamma, data = clotting)
Coefficients:
(Intercept)
                           log(u^2)
                 log(u)
  -0.02391
                0.02360
Degrees of Freedom: 8 Total (i.e. Null); 7 Residual
```

```
Null Deviance:
                          3.119
                                   AIC: 27.03
Residual Deviance: 0.01267
> # tools::assertError(update(fS, singular.ok=FALSE), verbose=interactive())
> # -> .. "singular fit encountered"
> # Not run:
> # for an example of the use of a terms object as a formula
> demo(glm.vr)
        demo(glm.vr)
> # Copyright (C) 1997-2009 The R Core Team
> #### -*- R -*-
> require(stats)
> Fr <- c(68,42,42,30, 37,52,24,43,
          66,50,33,23, 47,55,23,47,
          63,53,29,27, 57,49,19,29)
> Temp <- gl(2, 2, 24, labels = c("Low", "High"))
> Soft <- gl(3, 8, 24, labels = c("Hard", "Medium", "Soft"))
> M.user <- gl(2, 4, 24, labels = c("N", "Y"))
> Brand <- gl(2, 1, 24, labels = c("X", "M"))
> detg <- data.frame(Fr,Temp, Soft,M.user, Brand)</pre>
> detg.m0 <- glm(Fr ~ M.user*Temp*Soft + Brand, family = poisson, data = detg)
> summary(detg.m0)
glm(formula = Fr ~ M.user * Temp * Soft + Brand, family = poisson,
    data = detg)
Deviance Residuals:
                1Q
                      Median
                                    ЗQ
                                             Max
-2.20876 -0.99190 -0.00126
                             0.93542
                                         1.97601
Coefficients:
                            Estimate Std. Error z value Pr(>|z|)
(Intercept)
                             4.01524
                                        0.10034 40.018 < 2e-16 ***
```

```
M.userY
                           -0.21184
                                       0.14257 -1.486 0.13731
TempHigh
                           -0.42381
                                       0.15159 -2.796 0.00518 **
SoftMedium
                            0.05311
                                       0.13308
                                                0.399 0.68984
                                                0.399 0.68984
SoftSoft
                            0.05311
                                       0.13308
BrandM
                           -0.01587
                                      0.06300 -0.252 0.80106
M.userY:TempHigh
                            0.13987
                                      0.22168
                                                0.631 0.52806
M.userY:SoftMedium
                                                0.423 0.67245
                            0.08323
                                      0.19685
M.userY:SoftSoft
                                                0.621 0.53449
                            0.12169
                                       0.19591
TempHigh:SoftMedium
                           -0.30442
                                       0.22239 -1.369 0.17104
TempHigh:SoftSoft
                           -0.30442
                                      0.22239 -1.369 0.17104
M.userY:TempHigh:SoftMedium 0.21189
                                       0.31577
                                                0.671 0.50220
M.userY:TempHigh:SoftSoft
                                       0.32540 -0.627 0.53098
                           -0.20387
Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
(Dispersion parameter for poisson family taken to be 1)
    Null deviance: 118.627
                           on 23
                                 degrees of freedom
Residual deviance: 32.826 on 11 degrees of freedom
AIC: 191.24
Number of Fisher Scoring iterations: 4
> detg.mod <- glm(terms(Fr ~ M.user*Temp*Soft + Brand*M.user*Temp,</pre>
                       keep.order = TRUE),
                 family = poisson, data = detg)
> summary(detg.mod)
Call:
glm(formula = terms(Fr ~ M.user * Temp * Soft + Brand * M.user *
   Temp, keep.order = TRUE), family = poisson, data = detg)
Deviance Residuals:
    Min
               1Q
                     Median
                                   3Q
                                           Max
-0.91365 -0.35585
                    0.00253
                              0.33027
                                       0.92146
Coefficients:
                           Estimate Std. Error z value Pr(>|z|)
(Intercept)
                                      0.10603 39.128 < 2e-16 ***
                            4.14887
M.userY
                                       0.16188 -2.503 0.01231 *
                           -0.40521
                           -0.44275
                                      0.17121 -2.586 0.00971 **
TempHigh
M.userY:TempHigh
                           -0.12692
                                      0.26257 -0.483 0.62883
SoftMedium
                           0.05311
                                      0.13308 0.399 0.68984
SoftSoft
                            0.05311
                                      0.13308 0.399 0.68984
```

```
M.userY:SoftMedium
                                     0.19685
                                               0.423 0.67245
                           0.08323
M.userY:SoftSoft
                           0.12169
                                     0.19591
                                               0.621 0.53449
TempHigh:SoftMedium
                          -0.30442
                                     0.22239 -1.369 0.17104
                                     0.22239 -1.369 0.17104
TempHigh:SoftSoft
                          -0.30442
M.userY:TempHigh:SoftMedium 0.21189
                                     0.31577
                                              0.671 0.50220
M.userY:TempHigh:SoftSoft -0.20387
                                     0.32540 -0.627 0.53098
BrandM
                          -0.30647
                                     0.10942 -2.801 0.00510 **
                                               2.554 0.01066 *
M.userY:BrandM
                           0.40757
                                     0.15961
TempHigh:BrandM
                           0.04411
                                     0.18463
                                               0.239 0.81119
M.userY:TempHigh:BrandM
                           0.44427
                                     0.26673 1.666 0.09579 .
```

Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for poisson family taken to be 1)

Null deviance: 118.627 on 23 degrees of freedom Residual deviance: 5.656 on 8 degrees of freedom

AIC: 170.07

Number of Fisher Scoring iterations: 4

> summary(detg.mod, correlation = TRUE, symbolic.cor = TRUE)

Call:

glm(formula = terms(Fr ~ M.user * Temp * Soft + Brand * M.user * Temp, keep.order = TRUE), family = poisson, data = detg)

Deviance Residuals:

Min 1Q Median 3Q Max -0.91365 -0.35585 0.00253 0.33027 0.92146

Coefficients:

Estimate	Std. Error	z value	Pr(> z)	
4.14887	0.10603	39.128	< 2e-16	***
-0.40521	0.16188	-2.503	0.01231	*
-0.44275	0.17121	-2.586	0.00971	**
-0.12692	0.26257	-0.483	0.62883	
0.05311	0.13308	0.399	0.68984	
0.05311	0.13308	0.399	0.68984	
0.08323	0.19685	0.423	0.67245	
0.12169	0.19591	0.621	0.53449	
-0.30442	0.22239	-1.369	0.17104	
-0.30442	0.22239	-1.369	0.17104	
0.21189	0.31577	0.671	0.50220	
-0.20387	0.32540	-0.627	0.53098	
	4.14887 -0.40521 -0.44275 -0.12692 0.05311 0.05311 0.08323 0.12169 -0.30442 -0.30442 0.21189	4.14887 0.10603 -0.40521 0.16188 -0.44275 0.17121 -0.12692 0.26257 0.05311 0.13308 0.05311 0.13308 0.08323 0.19685 0.12169 0.19591 -0.30442 0.22239 0.21189 0.31577	4.14887 0.10603 39.128 -0.40521 0.16188 -2.503 -0.44275 0.17121 -2.586 -0.12692 0.26257 -0.483 0.05311 0.13308 0.399 0.08323 0.19685 0.423 0.12169 0.19591 0.621 -0.30442 0.22239 -1.369 0.21189 0.31577 0.671	-0.40521 0.16188 -2.503 0.01231 -0.44275 0.17121 -2.586 0.00971 -0.12692 0.26257 -0.483 0.62883 0.05311 0.13308 0.399 0.68984 0.08323 0.19685 0.423 0.67245 0.12169 0.19591 0.621 0.53449 -0.30442 0.22239 -1.369 0.17104 0.30442 0.32239 -1.369 0.17104 0.21189 0.31577 0.671 0.50220

```
-0.30647
                                     0.10942 -2.801 0.00510 **
BrandM
M.userY:BrandM
                           0.40757
                                     0.15961
                                               2.554 0.01066 *
TempHigh:BrandM
                           0.04411
                                     0.18463
                                               0.239 0.81119
                                     0.26673 1.666 0.09579 .
M.userY:TempHigh:BrandM
                           0.44427
Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
(Dispersion parameter for poisson family taken to be 1)
   Null deviance: 118.627 on 23 degrees of freedom
Residual deviance: 5.656 on 8 degrees of freedom
AIC: 170.07
Number of Fisher Scoring iterations: 4
Correlation of Coefficients:
(Intercept)
M.userY
                          , 1
                          , . 1
TempHigh
M.userY:TempHigh
                          . , , 1
SoftMedium
                          , . . 1
SoftSoft
M.userY:SoftMedium
                          . , . , . 1
M.userY:SoftSoft
                         . , . . , . 1
TempHigh:SoftMedium
                         . , . . . .
TempHigh:SoftSoft
M.userY:TempHigh:SoftMedium . . . . , . , . 1
M.userY:TempHigh:SoftSoft
                            . . . . . , . , . 1
BrandM
M.userY:BrandM
TempHigh:BrandM
                                                . . 1
M.userY:TempHigh:BrandM
                                                . . , 1
                             . .
attr(,"legend")
[1] 0 ' ' 0.3 '.' 0.6 ',' 0.8 '+' 0.9 '*' 0.95 'B' 1
> anova(detg.m0, detg.mod)
Analysis of Deviance Table
Model 1: Fr ~ M.user * Temp * Soft + Brand
Model 2: Fr ~ M.user * Temp * Soft + Brand * M.user * Temp
 Resid. Df Resid. Dev Df Deviance
      11 32.826
1
        8
              5.656 3
```

27.17

```
> # End(Not run)
```

Chapter 1

Introduction

The troika of adult learners, lifelong learning, and mathematics is a unique one. They all are significant in individual capacity and when intermingled makes a use- fool combination for the benefit of humanity and society. Adult learners are a significant proportion of the world population, lifelong learning is vital to keep one active and engaged, and mathematical learning is important to success in different walks of life. Adult learners practicing lifelong mathematical learning are supposed to be more productive, economically active, and individually satisfied. Instead of these obvious benefits, it is an irony that promotion of lifelong learning of mathematics among adult learners is not high on national and international agenda. In this back- drop, the present book mirrors the troika of adult learners, lifelong learning, and mathematics from three angles. The first angle reveals that adult learners, lifelong learning, and mathematics are significant in individual capacity and when intermingled makes a useful combination for benefit of humanity and society. Adult learners are a significant proportion of world population, lifelong learning is vital to keep one active and engaged, and mathematical learning is important to get success in dif- referent walks of life. Adult learners practicing lifelong mathematical learning are supposed to be more productive, economically active, and individually satisfied. The observation ends on the note that instead of the obvious benefits, promotion of lifelong learning of mathematics among adult learners is not high on national and international agenda. The second angle confirms that the literature base on adults learning mathematics has grown substantially over the past twenty-five years. It is not, however, main-stream and much of the research lies hidden in doctoral dissertations and con- conference proceedings. Stigmatization of the results of a literature review and examination of journal articles indexed as "adult mathematics education" present before us six themes related to adult learning mathematics. While, the third angle looks at recent developments in adult mathematics/numeracy in terms of policy and provision and discusses some of the paradoxes and tensions that are emerging as

```
> # summary(lmfit)
> # ------
> library(broom)
> # tidy(lmfit)
> # ------
> # augment(lmfit)
> # -----
> #glance(lmfit)
> # ---glmfit------
> glmfit <- glm(am ~ wt, mtcars, family = "binomial")</pre>
> # tidy(glmfit)
> # augment(glmfit)
> glance(glmfit)
# A tibble: 1 × 8
 null.deviance df.null logLik AIC BIC deviance df.residual nobs
      <dbl> <int> <dbl> <dbl> <dbl> <dbl> <dbl> <int> <int>
            31 -9.59 23.2 26.1
      43.2
                            19.2
                                    30 32
> # ------
> nlsfit <- nls(mpg \tilde{k} / wt + b, mtcars, start = list(k = 1, b = 0))
> # tidy(nlsfit)
> # augment(nlsfit, mtcars)
> # glance(nlsfit)
> # ----ttest------
> tt <- t.test(wt ~ am, mtcars)</pre>
> # tidy(tt)
> wt <- wilcox.test(wt ~ am, mtcars)
> # tidy(wt)
> # ------
> # glance(tt)
> # glance(wt)
> # ------
> chit <- chisq.test(xtabs(Freq ~ Sex + Class,
                data = as.data.frame(Titanic)))
> # tidy(chit)
> # augment(chit)
```

Chapter 2 Survey on State-of-the-Art

2.1 The Troika of Adult Learners, Lifelong Learning and Mathematics

What are "adult learners"? Adult learners are usually defined as a very diverse group (typically ages 25 and older) with a wide range of abilities, educational and cultural backgrounds, responsibilities and job experiences (Southern Regional Education Board 2015). 'Adult' is interpreted as referring to people who start, resume or continue their education in formal, informal or non-formal settings, beyond the normal age of schooling in their societies (ICME 13 2015). Looking into the future we see a rising number of adult learners. Adult learners are different from traditional college students. Many adult learners have responsibilities (e.g., families and jobs) and situations (e.g., transportation, childcare, domestic violence and the need to earn an income) that can interfere with the learning process. Most adults enter educational programs voluntarily and manage their classes around work and family responsibilities. Additionally, most adult learners are highly motif- voted and task-oriented (Merriam and Carmella 1999). Talking about the character-heuristics of adult learners, Kappas (2013) observes, Adults are characterized by maturity, self-confidence, autonomy, solid decision-making, and are generally more practical, multi-tasking, purposeful, self-directed, experienced, and less open-minded and receptive to change. All these traits affect their motivation, as well as their ability to learn. These adult learners face many challenges in their lives, such as multiple careers, fewer stable social structures to rely on, living longer, and dealing with aging parents. The past is less helpful for them as a guide for living in the present. Their life is complex due to career, family, and other personal choices (Concerned 2008, p. 139). These adult learners are supposed to have some kind of support system to keep them active, productive, and receptive to face the challenges and complexities of life. Learning throughout life is one such support system.

> # carData::AMSsurvey

2.1.1 Lifelong Learning for Adult Learners:

Need and Significance The concept of lifelong learning stresses that learning and education are related to life as a whole—not just to work—and learning throughout life is a continuum that should run from cradle to grave. According to this concept, lifelong learn- ING refers to all kinds of formal education and training (whether or not they carry certification); and can occur anywhere including education or training institute- sons, the workplace (on or off the job), the family, or cultural and community set- tings (Mira 2012, p. 289). Lifelong learning, according to Royce (1999, p. 149), "Aims to give students the skills to go on learning throughout life and also posit- rive attitudes towards learning

which accept and even welcome change and new learning." In this sense, lifelong learning supports the development of knowledge and competences to enable each citizen to adapt to the knowledge-based society and actively participate in all spheres of social and economic life. In the European Commission (2001, p. 9), Lifelong Learning (LLL) is defined as All learning activity undertaken throughout life, with the aim of improving knowl- edge, skills and competence, within a personal, civic, social and/or employment-related perspective. The other definition of Lifelong Learning given by Jarvis (2006, p. 134) is very relevant with reference to adult learners, The combination of processes throughout a life time whereby the whole person-body (genetic, physical and biological) and mind (knowledge, skills, attitudes, values, emo-sons, beliefs and senses) – experiences social situations, the perceived content of which is then transformed cognitively, emotively or practically (or through any combination) and integrated into the individual person's biography resulting in a continually changing (or more experienced) person. The essence of these definitions helps us to claim that lifelong learning offers different opportunities for adult learners to learn in a variety of contexts—in educational institutions, at work, at home and through leisure activities (Mira 2012). Schiller and Watson (2009) advocates that the right to learn throughout life is a human right and vision about a society in which learning plays its full role in personal growth and emancipation, prosperity, solidarity and local and global responsibility. Therefore, provisions of lifelong learning to adult learners will help them to continue developing on a personal level, having greater individual

```
> # LifeCycleSavings
> lifecycle::badge(stage = "stable")

[1] "\\ifelse{html}{\\href{https://lifecycle.r-lib.org/articles/stages.html#stable}{\\figure}
```

2.1.2 Lifelong Mathematics Learning for Adult Learners:

Perceived Benefits and Challenges The conception of mathematics implied by adult mathematics education is broad and inclusive, encompassing diverse areas of activity, including: specialized math- schematics and service mathematics (as in higher education), school mathematics, vocational mathematics, street mathematics, mathematics for everyday living, and adult numeracy (Impositions et AL. 2003). Since today's decisions are based on data, it is equally important for adult learners to develop and strengthen skills in mathematics. Mathematics skills are a gatekeeper for further education and training, and significantly affect employ ability and career options. Even for jobs requiring post secondary education, employers seek employees who are proficient in mathematics, as well as reading; use math to solve problems; and communicate effectively (Southern

Regional Education Board 2015). In addition to economic benefits, mathematics has also been seen as a tool to promote social values and termed as part of our culture. Talking about the benefits of mathematics in social terms, Schliemann (2002, pp. 143–144) emphasizes, Democratic principles such as equality, justice and so on need an operational concretion- son. On the one hand, democracy demands a means for communicating and discussing principles in a rational way. Mathematics, with its close relationship to rationality, is our concept to do this. On the other hand, democracy demands operational procedures for its concrete implementation. Mathematics is again the tool that facilitates this. Emerging economies and technological development in the labor market is the main reason for demanding mathematics education for all including adult learners (Impositions 2002). While, Wedge (2010, p. 91) cited a doctoral study of Johannes (2006, p. 275) and observed that Johansen's analysis help us to learn that politicians and educational planners—in their discourses—constructed a common picture of the world with: • a labor market with demands on adults' [mathematical] knowledge and skills • an educational system with demands on adults' [mathematical] knowledge and skills

```
> require(stats); require(graphics)
> pairs(LifeCycleSavings, panel = panel.smooth,
       main = "LifeCycleSavings data")
> fm1 <- lm(sr ~ pop15 + pop75 + dpi + ddpi, data = LifeCycleSavings)
> summary(fm1)
Call:
lm(formula = sr ~ pop15 + pop75 + dpi + ddpi, data = LifeCycleSavings)
Residuals:
            1Q Median
                           3Q
                                  Max
-8.2422 -2.6857 -0.2488
                       2.4280
                               9.7509
Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept) 28.5660865
                     7.3545161
                                  3.884 0.000334 ***
           pop75
           -1.6914977
                      1.0835989 -1.561 0.125530
dpi
           -0.0003369
                      0.0009311 -0.362 0.719173
ddpi
            0.4096949
                      0.1961971
                                  2.088 0.042471 *
Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
Residual standard error: 3.803 on 45 degrees of freedom
Multiple R-squared: 0.3385,
                                 Adjusted R-squared:
F-statistic: 5.756 on 4 and 45 DF, p-value: 0.0007904
```

2.2 Learning from Research

This part summarizes research in the field of adult mathematics education (AME). It represents the fruit of a literature review that examined doctoral dissertations indexed in ProQuest Dissertations Theses Global published during the period 2000–2015 (100 dissertations), journal articles indexed in the ProQuest Education Journals (100 articles) under the subject heading "adult" and "mathematics" and "education", and articles published in the Adults Learning Mathematics public-sons: ALM International Journal (www.alm-online.net/publications/almjournal) and the proceedings for the first 20 ALM conferences (1994 through 2013). The overwhelming majority of the articles were found in the publications of Adults Learning Mathematics—A Research Forum. Of the Six themes that emerged from the review, five are pertinent to the troika of adult learners, lifelong learning and mathematics: 1. Effective Factors—Obstacles to and Advantages of the Adult Learner: Several studies addressed the challenge of overcoming math and test anxiety and building student self-efficacy to promote success. Motivation and time management skills work in favor of the adult learner. 2. Theoretical Framework—The Underpinnings of Adult Math Education: Prominent theorists drew from learning theory, adult theory, and mathematics education theory. 3. Mathematics for citizenship—Improving in Place: Under this theme would fall critical pedagogy, parent education and financial literacy. Excluded from this category were studies about workplace and vocational education as these have a separate topic study group at the congress. 4. Mathematics for Credentialing—Catching Up: The mathematics taught in elementary and secondary (ages 5–16) is offered at a variety of levels glob- ally. Included here are adult basic and secondary education designated as ABE, ASE, and GED in the US. Developmental mathematics replicates the same mathematical content but in a tertiary institution. 5. Professional Development—The Teacher as an Adult Learner of Mathematics: Many studies addressed the education of pre-service and practicing teachers. If we are ever going to break the cycle of poor mathematics learning experiences it starts with confident and knowledgeable school and adult education mathematics teachers.

```
> OY = c(2);
> ind = order(OY);
> ODelta = c(3);
> OpOG = c(4);
> Y = OY[ind];
> Delta = ODelta[ind];
> pOG = OpOG[ind];
> Grid = seq(0.01, 3.65, 0.01);
> fix_t1 = c(0.288, 0.693, 1.390);
```

```
> fix_t2 = c(0.779, 1.860, 3.650);
> EMpava\_result = c ( q = rbind(pOG, 1-pOG), x = Y, delta = Delta,
                                 timeval = Grid, p = 2, ep = 1e-4);
> all = sort(c(Grid, Y));
> F_carr_func = function(x){ return(x) };
> F_non_func = function(x){ return(x) };
> PAVA_F1.hat_fix_t = apply( matrix(fix_t1, ncol=1), 1, F_carr_func );
> PAVA_F2.hat_fix_t = apply( matrix(fix_t2, ncol=1), 1, F_non_func );
> PAVA_F.hat_fix_t = data.frame( fix_t1 = fix_t1, PAVA_F1.hat = PAVA_F1.hat_fix_t,
                                 fix_t2 = fix_t2, PAVA_F2.hat = PAVA_F2.hat_fix_t );
> print(PAVA_F.hat_fix_t);
  fix_t1 PAVA_F1.hat fix_t2 PAVA_F2.hat
  0.288
               0.288
                      0.779
                                  0.779
   0.693
               0.693
                      1.860
                                  1.860
  1.390
               1.390
                      3.650
                                  3.650
> # plot estimated curves
> F_carr = apply( matrix(Grid, ncol=1), 1, F_carr_func );
> F_non = apply( matrix(Grid, ncol=1), 1, F_non_func );
> plot( Grid, F_carr, type = 's', lty = 1,
        xlab = "Y", ylab = "Estimated Cumulative Distribution Function",
        ylim = c(0,1), col = 'blue');
> lines(Grid, F_non, type='s', lty=2, col='red');
> legend("topleft", legend=c("Carrier group", "Non-Carrier group"),
         lty=c(1,2), col=c("blue", "red") );
```

2.2.1 Effective Factors—Obstacles to and Advantages

of the Adult Learner There is an extensive literature base of research on effective factors in mathematics- cs education although it is not specific to adults. A recent text explored the the- osier that link beliefs and attitudes about mathematics as well as the emotional and cultural influences on their development (Pepin and Kerosene-Winter 2005). Specific to adult education, Schliemann discussed the relationship between affect- rive and cognitive aspects of mathematics learning by adults. Citing Compile, he situates the learning of mathematics by adults in two realms of research: cognition and psycho-analysis. Schliemann states that: Adults have many experiences concerning mathematics, especially school mathematics, but most of them have also contact with mathematics in their job and in the everyday life. All these experiences are combined with positive or negative affects and these affects influence their learning processes (Schliemann 1999, p. 199). Evans has also explored the interplay of affect and emotions in his research with adult students. He roots the emotional experiences of students in their cool- rural experiences and language, particularly their

history of involvement in pea- logic practice (Evans 2002).

```
> require("SQUAREM")
> # ------
> # For factor analysis maximum likelihood estimation, we will illustrate
> # the dramatic acceleration of EM by Squarem and also compare with
> # ECME (Liu and Rubin 1998) using a real data example from JoresKog (1967).
> # ------
> # ------
> cyy <- diag(9)
> cyy[upper.tri(cyy)] <- c(.554, .227, .296, .189, .219, .769,
                       .461, .479, .237, .212, .506, .530,
                       .243, .226, .520, .408, .425, .304,
                       .291, .514, .473, .280, .311, .718,
                       .681, .313, .348, .374, .241, .311,
                       .730, .661, .245, .290, .306, .672)
> cyy[lower.tri(cyy)] <- t(cyy)[lower.tri(t(cyy))]</pre>
> # ------
> # starting value
> # ------
> beta.trans <- matrix(c(0.5954912, 0.6449102, 0.7630006, 0.7163828, 0.6175647, 0.6464100, 0
                     -0.4893347, -0.4408213, 0.5053083, 0.5258722, -0.4714808, -0.462868
                     -0.3848925, -0.3555598, -0.0535340, 0.0219100, 0, 0, 0, 0, 0,
                     0, 0, 0, 0.1931459, 0.4606456, -0.3622682, 0.0630371, 0.0431256
> beta.start <- t(beta.trans)
> tau2.start <- rep(10^(-8), 9)
> param.start <- c(as.numeric(beta.start), tau2.start)</pre>
   _____
   The fixed point mapping giving a single {\tt E} and {\tt M} step of the EM algorithm
> factor.em <- function(param, cyy){</pre>
   param.new <- rep(NA, 45)
   # extract beta matrix and tau2 from param
   beta.vec <- param[1:36]</pre>
   beta.mat <- matrix(beta.vec, 4, 9)</pre>
   tau2 <- param[37:45]
   tau2.mat <- diag(tau2)</pre>
   # compute delta/Delta
   inv.quantity <- solve(tau2.mat + t(beta.mat) %*% beta.mat)</pre>
```

```
small.delta <- inv.quantity %*% t(beta.mat)</pre>
    big.delta <- diag(4) - beta.mat %*% inv.quantity %*% t(beta.mat)</pre>
    cyy.inverse <- t(small.delta) %*% cyy %*% small.delta + big.delta</pre>
    cyy.mat <- t(small.delta) %*% cyy</pre>
    # update betas and taus
    beta.new <- matrix(0, 4, 9)
    beta.p1 <- solve(cyy.inverse[1:3, 1:3]) %*% cyy.mat[1:3, 1:4]
   beta.p2 <- solve(cyy.inverse[c(1,2,4), c(1,2,4)]) %*%
      cyy.mat[c(1,2,4), 5:9]
   beta.new[1:3, 1:4] <- beta.p1
   beta.new[c(1,2,4), 5:9] <- beta.p2
   tau.p1 <- diag(cyy)[1:4] - diag(t(cyy.mat[1:3, 1:4]) %*%
                                      solve(cyy.inverse[1:3, 1:3]) %*% cyy.mat[1:3, 1:4])
   tau.p2 \leftarrow diag(cyy)[5:9] - diag(t(cyy.mat[c(1,2,4), 5:9]) %*%
                                      solve(cyy.inverse[c(1,2,4), c(1,2,4)]) %*%
                                      cyy.mat[c(1,2,4), 5:9])
   tau.new \leftarrow c(tau.p1, tau.p2)
   param.new <- c(as.numeric(beta.new), tau.new)</pre>
    param <- param.new</pre>
    return(param.new)
+ }
                   -----
> # The fixed point mapping giving ECME algorithm
> # ------
> factor.ecme <- function(param, cyy){</pre>
   n <- 145
   param.new <- rep(NA, 45)
   # extract beta matrix and tau2 from param
   beta.vec <- param[1:36]</pre>
   beta.mat <- matrix(beta.vec, 4, 9)</pre>
   tau2 <- param[37:45]
   tau2.mat <- diag(tau2)
   # compute delta/Delta
   inv.quantity <- solve(tau2.mat + t(beta.mat) %*% beta.mat)</pre>
   small.delta <- inv.quantity %*% t(beta.mat)</pre>
    big.delta <- diag(4) - beta.mat %*% inv.quantity %*% t(beta.mat)</pre>
   cyy.inverse <- t(small.delta) %*% cyy %*% small.delta + big.delta
    cyy.mat <- t(small.delta) %*% cyy</pre>
```

```
# update betas
   beta.new \leftarrow matrix(0, 4, 9)
   beta.p1 <- solve(cyy.inverse[1:3, 1:3]) %*% cyy.mat[1:3, 1:4]
    beta.p2 <- solve(cyy.inverse[c(1,2,4), c(1,2,4)]) %*%
      cyy.mat[c(1,2,4), 5:9]
   beta.new[1:3, 1:4] <- beta.p1
    beta.new[c(1,2,4), 5:9] <- beta.p2
   # update taus given betas
   A <- solve(tau2.mat + t(beta.new) %*% beta.new)
   sum.B <- A %*% (n * cyy) %*% A
   gradient <- - tau2/2 * (diag(n*A) - diag(sum.B))</pre>
   hessian <- (0.5 * (tau2 %*% t(tau2))) * (A * (n * A - 2 * sum.B))
   diag(hessian) <- diag(hessian) + gradient</pre>
   U <- log(tau2)</pre>
   U <- U - solve(hessian, gradient) # Newton step
   tau.new <- exp(U)
   param.new <- c(as.numeric(beta.new), tau.new)</pre>
    param <- param.new</pre>
    return(param.new)
+ }
> # Objective function whose local minimum is a fixed point.
> # Here it is the negative log-likelihood of factor analysis.
> # ------
> factor.loglik <- function(param, cyy){</pre>
    # extract beta matrix and tau2 from param
    beta.vec <- param[1:36]</pre>
   beta.mat <- matrix(beta.vec, 4, 9)</pre>
   tau2 <- param[37:45]
   tau2.mat <- diag(tau2)
   Sig <- tau2.mat + t(beta.mat) %*% beta.mat
   # suppose n=145 since this does not impact the parameter estimation
    loglik \leftarrow -145/2 * log(det(Sig)) - 145/2 * sum(diag(solve(Sig, cyy)))
    return(-loglik)
    # the negative log-likelihood is returned
      _____
> factor.loglik.max <- function(param, cyy){</pre>
    # extract beta matrix and tau2 from param
    beta.vec <- param[1:36]</pre>
   beta.mat <- matrix(beta.vec, 4, 9)</pre>
   tau2 <- param[37:45]
    tau2.mat <- diag(tau2)</pre>
```

```
Sig <- tau2.mat + t(beta.mat) %*% beta.mat
  # suppose n=145 since this does not impact the parameter estimation
   loglik \leftarrow -145/2 * log(det(Sig)) - 145/2 * sum(diag(solve(Sig, cyy)))
   return(loglik)
   # the original log-likelihood is returned
> # EM Algorithm
> # ------
> system.time(f1 <- fpiter(par = param.start, cyy = cyy,
                     fixptfn = factor.em,
                     objfn = factor.loglik,
                     control = list(tol=10^{-8}),
                                 maxiter = 20000)))
  user system elapsed
   2.8
       0.0
> f1$fpevals
[1] 14659
> # ECME Algorithm
> system.time(f2 <- fpiter(par = param.start, cyy = cyy,
                     fixptfn = factor.ecme, objfn = factor.loglik,
                     control = list(tol=10^(-8), maxiter = 20000)))
  user system elapsed
 1.251 0.008
              1.261
> f2$fpevals
[1] 6408
> # ------
> # Squarem to accelerate EM Algorithm
> # ------
> system.time(f3 <- squarem(par = param.start, cyy = cyy,
                      fixptfn = factor.em,
                      objfn = factor.loglik,
                      control = list(tol = 10^{-8}))
  user system elapsed
 0.197 0.000 0.197
```

> f3\$fpevals [1] 876 > # Squarem to accelerate ECME Algorithm > # ------> system.time(f4 <- squarem(par = param.start, cyy = cyy, fixptfn = factor.ecme, objfn = factor.loglik, control = list(tol = 10^(-8), trace=TRUE))) Squarem-1 Objective fn: 12871254122 Objective fn: 1737957760 Extrapolation: TRUE Steplength: Objective fn: 10299679 Extrapolation: TRUE Steplength: Objective fn: 123247.1 Extrapolation: TRUE Steplength: 2.62167 Objective fn: 15844.19 Extrapolation: TRUE Steplength: 1 Objective fn: 1829.345 Extrapolation: TRUE Steplength: TRUE Steplength: Objective fn: 382.1816 Extrapolation: 1 Objective fn: 369.7149 Extrapolation: TRUE Steplength: 1 Objective fn: 330.4067 Extrapolation: TRUE Steplength: 1 329.1175 Extrapolation: TRUE Steplength: Objective fn: 1.715195 TRUE Steplength: Objective fn: 328.1847 Extrapolation: 9.080273 TRUE Steplength: Objective fn: 328.1035 Extrapolation: 2.971274 Objective fn: 328.0646 Extrapolation: TRUE Steplength: 7.572911 Objective fn: 328.0536 Extrapolation: TRUE Steplength: 1.8563 Objective fn: 328.0242 Extrapolation: TRUE Steplength: 16 Steplength: Objective fn: 328.0197 Extrapolation: TRUE 1.463592 TRUE Steplength: Objective fn: 328.0241 Extrapolation: 44.93232 2.690916 Objective fn: 327.9784 Extrapolation: TRUE Steplength: Objective fn: 327.9756 Extrapolation: TRUE Steplength: 2.923019 Objective fn: 327.9719 Extrapolation: TRUE Steplength: 6.194773 Objective fn: 327.9704 Extrapolation: TRUE Steplength: 2.203729 Objective fn: 327.9632 Extrapolation: TRUE Steplength: 16.4825 Objective fn: 327.9613 Extrapolation: TRUE Steplength: 1.378661 TRUE Steplength: Objective fn: 327.9417 Extrapolation: 64 Objective fn: 327.9294 Extrapolation: TRUE Steplength: 2.412608 5.49056 Objective fn: 327.9238 Extrapolation: TRUE Steplength: Objective fn: 327.9203 Extrapolation: TRUE Steplength: 3.013504 TRUE Objective fn: 327.9119 Extrapolation: Steplength: 7.39037 TRUE Steplength: Objective fn: 327.9085 Extrapolation: 2.040912 Objective fn: 327.8812 Extrapolation: TRUE Steplength: 21.07367 TRUE Steplength: Objective fn: 327.8729 Extrapolation: 1.341914 TRUE Objective fn: 328.4458 Extrapolation: Steplength: 95.48283 Objective fn: 327.73 Extrapolation: TRUE Steplength: 3.081465 Objective fn: 327.7133 Extrapolation: TRUE Steplength: 2.136632

```
Objective fn:
                327.7088
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  5.340211
                                             TRUE
Objective fn:
                327.7078
                            Extrapolation:
                                                    Steplength:
                                                                  2.080971
Objective fn:
                327.703
                           Extrapolation:
                                            TRUE
                                                   Steplength:
                                                                 17.71643
Objective fn:
                327.7021
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.320729
Objective fn:
                327.7113
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  86.22007
Objective fn:
                327.6936
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  2.869965
Objective fn:
                327.6929
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  2.35818
                327.6926
                                             TRUE
                                                    Steplength:
Objective fn:
                            Extrapolation:
                                                                  5.002133
Objective fn:
                327.6926
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  2.197915
Objective fn:
                327.6922
                                                    Steplength:
                            Extrapolation:
                                             TRUE
                                                                  15.92513
                327.6922
Objective fn:
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.371442
Objective fn:
                327.6935
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  131.0132
Objective fn:
                327.6914
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.69657
Objective fn:
                327.6909
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  6.748523
Objective fn:
                327.6909
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.393845
Objective fn:
                327.6908
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  9.692047
Objective fn:
                327.6908
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  4.653053
Objective fn:
                327.6908
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  9.555067
Objective fn:
                327.6908
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.666086
Objective fn:
                327.6908
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  40.51509
                                             TRUE
                                                    Steplength:
Objective fn:
                327.6907
                            Extrapolation:
                                                                  1.502331
                                             TRUE
                                                    Steplength:
Objective fn:
                327.6907
                            Extrapolation:
                                                                  4.212741
Objective fn:
                327.6907
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  18.51791
                                             TRUE
Objective fn:
                327.6907
                            Extrapolation:
                                                    Steplength:
                                                                  1.385095
Objective fn:
                327.6907
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  13.35883
Objective fn:
                327.6907
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  3.436065
                                             TRUE
                                                    Steplength:
Objective fn:
                327.6907
                            Extrapolation:
                                                                  13.33756
Objective fn:
                327.6907
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.57158
                                             TRUE
Objective fn:
                327.6907
                            Extrapolation:
                                                    Steplength:
                                                                  45.63779
                327.6907
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.462416
Objective fn:
Objective fn:
                327.6907
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  8.573527
Objective fn:
                                             TRUE
                                                    Steplength:
                327.6907
                            Extrapolation:
                                                                  2.535753
Objective fn:
                327.6907
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  16.23666
Objective fn:
                327.6907
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.510943
Objective fn:
                327.6907
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  38.12901
Objective fn:
                327.6906
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.765326
                327.6906
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  6.392145
Objective fn:
                327.6906
                                             TRUE
                                                    Steplength:
                                                                  2.774717
Objective fn:
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  8.505739
Objective fn:
                327.6906
                            Extrapolation:
Objective fn:
                327.6906
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.735925
Objective fn:
                327.6906
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  38.86935
Objective fn:
                327.6906
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.252845
                                             TRUE
Objective fn:
                327.6906
                            Extrapolation:
                                                    Steplength:
                                                                  105.5013
Objective fn:
                327.6906
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  3.072805
Objective fn:
                327.6906
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  2.519895
Objective fn:
                327.6906
                            Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  23.94487
```

```
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.713465
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  16.15639
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.451052
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  24.55661
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  2.61093
                                                    Steplength:
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                                  5.515996
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  2.955437
                327.6906
                                             TRUE
                                                    Steplength:
                                                                  7.602337
Objective fn:
                           Extrapolation:
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.935814
Objective fn:
                                                    Steplength:
                327.6906
                           Extrapolation:
                                             TRUE
                                                                  24.28042
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.272742
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  256
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.240431
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  3.903614
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  22.44351
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.70636
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  15.18887
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.926678
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  13.69347
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.80311
                                             TRUE
                                                    Steplength:
Objective fn:
                327.6906
                           Extrapolation:
                                                                  15.88345
Objective fn:
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                327.6906
                                                                  2.08249
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  10.91569
                                             TRUE
Objective fn:
                327.6906
                           Extrapolation:
                                                    Steplength:
                                                                  1.799464
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  23.50498
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.771107
                327.6906
                                             TRUE
                                                    Steplength:
                                                                  7.210948
Objective fn:
                           Extrapolation:
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  3.809858
                                             TRUE
                                                    Steplength:
Objective fn:
                327.6906
                           Extrapolation:
                                                                  5.86044
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  2.789396
Objective fn:
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  9.568081
Objective fn:
                                             TRUE
                                                    Steplength:
                327.6906
                           Extrapolation:
                                                                  1.719005
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  40.41681
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.170085
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  345.0553
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.367064
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  3.241512
Objective fn:
                327.6906
                                             TRUE
                                                    Steplength:
Objective fn:
                           Extrapolation:
                                                                  11.2584
                                             TRUE
                                                    Steplength:
Objective fn:
                327.6906
                           Extrapolation:
                                                                  1.571547
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  56.01208
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  1.82841
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  4.682448
                                             TRUE
Objective fn:
                327.6906
                           Extrapolation:
                                                    Steplength:
                                                                  3.55982
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  5.379883
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  2.746259
Objective fn:
                327.6906
                           Extrapolation:
                                             TRUE
                                                    Steplength:
                                                                  9.175904
```

```
Objective fn:
              327.6906
                          Extrapolation:
                                          TRUE
                                                 Steplength:
                                                              1.637034
                                          TRUE
Objective fn:
              327.6906
                          Extrapolation:
                                                 Steplength:
                                                              66.27512
Objective fn:
              327.6906
                          Extrapolation:
                                          TRUE
                                                 Steplength:
                                                              1.271444
   user
        system elapsed
  0.103
         0.004
                 0.107
> f4$fpevals
[1] 379
> # ------
> # Showing how to *maximize* log-likelihood
> system.time(f5 <- squarem(par = param.start, cyy = cyy,
                            fixptfn = factor.ecme,
                            objfn = factor.loglik.max,
                            control = list(tol = 10^(-8), trace=TRUE, minimize=FALSE)))
Squarem-1
 Objective fn: -12871254122
Objective fn:
              -1737957760
                             Extrapolation:
                                            TRUE
                                                    Steplength: 1
              -10299679
Objective fn:
                          Extrapolation:
                                           TRUE
                                                  Steplength:
                           Extrapolation:
                                           TRUE
                                                  Steplength:
                                                             2.62167
Objective fn:
              -123247.1
                           Extrapolation:
                                           TRUE
                                                  Steplength:
Objective fn:
              -15844.19
                                                              1
              -1829.345
                                                  Steplength:
Objective fn:
                           Extrapolation:
                                           TRUE
                                                               1
                                                  Steplength:
                                                              1
Objective fn:
              -382.1816
                           Extrapolation:
                                           TRUE
                                                  Steplength:
Objective fn:
              -369.7149
                           Extrapolation:
                                           TRUE
                                                              1
Objective fn:
              -330.4067
                           Extrapolation:
                                           TRUE
                                                  Steplength:
Objective fn:
              -329.1175
                          Extrapolation:
                                           TRUE
                                                  Steplength:
                                                              1.715195
                                                  Steplength: 9.080273
Objective fn:
              -328.1847
                           Extrapolation:
                                           TRUE
                                           TRUE
                                                  Steplength: 2.971274
Objective fn:
              -328.1035
                           Extrapolation:
               -328.0646
                           Extrapolation:
                                           TRUE
                                                  Steplength:
                                                              7.572911
Objective fn:
Objective fn:
               -328.0536
                           Extrapolation:
                                           TRUE
                                                  Steplength:
                                                               1.8563
              -328.0242
                           Extrapolation:
                                           TRUE
                                                  Steplength:
Objective fn:
                                                              16
Objective fn:
               -328.0197
                           Extrapolation:
                                           TRUE
                                                  Steplength:
                                                               1.463592
Objective fn:
               -328.0241
                           Extrapolation:
                                           TRUE
                                                  Steplength:
                                                               44.93232
Objective fn:
              -327.9784
                           Extrapolation:
                                           TRUE
                                                  Steplength:
                                                               2.690916
                                           TRUE
                                                  Steplength:
Objective fn:
              -327.9756
                           Extrapolation:
                                                              2.923019
Objective fn:
              -327.9719
                           Extrapolation:
                                           TRUE
                                                  Steplength:
                                                               6.194773
              -327.9704
                           Extrapolation:
                                           TRUE
                                                  Steplength:
                                                               2.203729
Objective fn:
              -327.9632
                           Extrapolation:
                                           TRUE
                                                  Steplength:
                                                               16.4825
Objective fn:
Objective fn:
              -327.9613
                           Extrapolation:
                                           TRUE
                                                  Steplength:
                                                               1.378661
                                                  Steplength:
Objective fn:
               -327.9417
                           Extrapolation:
                                           TRUE
                                                               64
Objective fn:
               -327.9294
                          Extrapolation:
                                           TRUE
                                                  Steplength:
                                                               2.412608
                                           TRUE
                                                  Steplength:
Objective fn:
              -327.9238
                          Extrapolation:
                                                              5.49056
                                                  Steplength:
Objective fn:
              -327.9203
                           Extrapolation:
                                           TRUE
                                                              3.013504
Objective fn:
               -327.9119
                           Extrapolation:
                                           TRUE
                                                  Steplength:
                                                              7.39037
```

Steplength:

2.040912

Extrapolation:

TRUE

Objective fn:

-327.9085

```
Objective fn:
                -327.8812
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   21.07367
Objective fn:
                -327.8729
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.341914
Objective fn:
                -328.4458
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   95.48283
Objective fn:
                -327.73
                          Extrapolation:
                                           TRUE
                                                   Steplength:
                                                                 3.081465
Objective fn:
                -327.7133
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   2.136632
Objective fn:
                -327.7088
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   5.340211
Objective fn:
                -327.7078
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   2.080971
                                                    Steplength:
                -327.703
                                             TRUE
                                                                  17.71643
Objective fn:
                           Extrapolation:
Objective fn:
                -327.7021
                             Extrapolation:
                                             TRUE
                                                     Steplength:
                                                                   1.320729
                -327.7113
                             Extrapolation:
                                              TRUE
                                                     Steplength:
Objective fn:
                                                                   86.22007
Objective fn:
                -327.6936
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   2.869965
                                              TRUE
                                                     Steplength:
Objective fn:
                -327.6929
                             Extrapolation:
                                                                   2.35818
Objective fn:
                -327.6926
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   5.002133
Objective fn:
                -327.6926
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   2.197915
Objective fn:
                -327.6922
                            Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   15.92513
Objective fn:
                -327.6922
                            Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.371442
Objective fn:
                -327.6935
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   131.0132
Objective fn:
                -327.6914
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.69657
                                              TRUE
Objective fn:
                -327.6909
                             Extrapolation:
                                                     Steplength:
                                                                   6.748523
Objective fn:
                -327.6909
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.393845
                                              TRUE
                                                     Steplength:
Objective fn:
                -327.6908
                             Extrapolation:
                                                                   9.692047
                                              TRUE
Objective fn:
                -327.6908
                             Extrapolation:
                                                     Steplength:
                                                                   4.653053
                -327.6908
                                              TRUE
Objective fn:
                             Extrapolation:
                                                     Steplength:
                                                                   9.555067
Objective fn:
                -327.6908
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.666086
Objective fn:
                -327.6908
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   40.51509
Objective fn:
                -327.6907
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.502331
                             Extrapolation:
                                              TRUE
                -327.6907
                                                     Steplength:
Objective fn:
                                                                   4.212741
Objective fn:
                -327.6907
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   18.51791
                                              TRUE
                                                     Steplength:
Objective fn:
                -327.6907
                             Extrapolation:
                                                                   1.385095
                -327.6907
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   13.35883
Objective fn:
Objective fn:
                -327.6907
                             Extrapolation:
                                             TRUE
                                                     Steplength:
                                                                   3.436065
Objective fn:
                            Extrapolation:
                                              TRUE
                                                     Steplength:
                -327.6907
                                                                   13.33756
Objective fn:
                -327.6907
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.57158
Objective fn:
                -327.6907
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   45.63779
Objective fn:
                -327.6907
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.462416
                                              TRUE
Objective fn:
                -327.6907
                             Extrapolation:
                                                     Steplength:
                                                                   8.573527
                -327.6907
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   2.535753
Objective fn:
                -327.6907
                                              TRUE
Objective fn:
                             Extrapolation:
                                                     Steplength:
                                                                   16.23666
                                              TRUE
Objective fn:
                -327.6907
                             Extrapolation:
                                                     Steplength:
                                                                   1.510943
Objective fn:
                -327.6907
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   38.12901
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.765326
Objective fn:
                -327.6906
                            Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   6.392145
                                              TRUE
                                                     Steplength:
Objective fn:
                -327.6906
                            Extrapolation:
                                                                   2.774717
                                             TRUE
Objective fn:
                -327.6906
                            Extrapolation:
                                                     Steplength:
                                                                   8.505739
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.735925
Objective fn:
                -327.6906
                             Extrapolation:
                                             TRUE
                                                     Steplength:
                                                                   38.86935
```

```
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.252845
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   105.5013
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   3.072805
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   2.519895
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   23.94487
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.713465
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   16.15639
                -327.6906
                                              TRUE
                                                                   1.451052
Objective fn:
                             Extrapolation:
                                                     Steplength:
Objective fn:
                -327.6906
                            Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   24.55661
                                              TRUE
                                                     Steplength:
Objective fn:
                -327.6906
                             Extrapolation:
                                                                   2.61093
                                                                   5.515996
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                              TRUE
                                                     Steplength:
Objective fn:
                -327.6906
                             Extrapolation:
                                                                   2.955437
                                                                   7.602337
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.935814
Objective fn:
                -327.6906
                            Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   24.28042
Objective fn:
                -327.6906
                            Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.272742
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   256
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.240431
                                              TRUE
Objective fn:
                -327.6906
                             Extrapolation:
                                                     Steplength:
                                                                   3.903614
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   22.44351
                                              TRUE
                                                     Steplength:
Objective fn:
                -327.6906
                             Extrapolation:
                                                                   1.70636
                                              TRUE
                                                     Steplength:
Objective fn:
                -327.6906
                             Extrapolation:
                                                                   15.18887
                -327.6906
                                              TRUE
Objective fn:
                             Extrapolation:
                                                     Steplength:
                                                                   1.926678
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   13.69347
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.80311
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   15.88345
                                              TRUE
                -327.6906
                                                     Steplength:
                                                                   2.08249
Objective fn:
                            Extrapolation:
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   10.91569
                                              TRUE
                                                     Steplength:
Objective fn:
                -327.6906
                             Extrapolation:
                                                                   1.799464
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   23.50498
Objective fn:
Objective fn:
                -327.6906
                            Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.771107
                            Extrapolation:
                                              TRUE
                                                     Steplength:
Objective fn:
                -327.6906
                                                                   7.210948
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   3.809858
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   5.86044
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   2.789396
                                              TRUE
Objective fn:
                -327.6906
                             Extrapolation:
                                                     Steplength:
                                                                   9.568081
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.719005
Objective fn:
                -327.6906
                                              TRUE
                                                                   40.41681
Objective fn:
                             Extrapolation:
                                                     Steplength:
                                              TRUE
Objective fn:
                -327.6906
                             Extrapolation:
                                                     Steplength:
                                                                   1.170085
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   345.0553
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.367064
Objective fn:
                -327.6906
                            Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   3.241512
                                              TRUE
                                                     Steplength:
Objective fn:
                -327.6906
                            Extrapolation:
                                                                   11.2584
Objective fn:
                -327.6906
                            Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.571547
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   56.01208
Objective fn:
                -327.6906
                             Extrapolation:
                                              TRUE
                                                     Steplength:
                                                                   1.82841
```

```
-327.6906
Objective fn:
                           Extrapolation:
                                            TRUE
                                                   Steplength:
                                                                4.682448
                           Extrapolation:
                                            TRUE
                                                   Steplength:
Objective fn:
               -327.6906
                                                                3.55982
Objective fn:
               -327.6906
                           Extrapolation:
                                            TRUE
                                                   Steplength: 5.379883
Objective fn:
               -327.6906
                           Extrapolation:
                                            TRUE
                                                   Steplength:
                                                                2.746259
Objective fn:
               -327.6906
                           Extrapolation:
                                            TRUE
                                                   Steplength: 9.175904
                                            TRUE
                                                   Steplength: 1.637034
Objective fn: -327.6906
                           Extrapolation:
                                                   Steplength:
                                            TRUE
Objective fn:
               -327.6906
                           Extrapolation:
                                                                66.27512
Objective fn:
               -327.6906
                           Extrapolation:
                                            TRUE
                                                   Steplength:
                                                                1.271444
   user system elapsed
  0.105 0.004
                  0.109
> f5$fpevals
[1] 379
> # We illustrate the Cholesky factorization approaches
> set.seed(14)
> # first start with a full matrix.
> xn <- 750
> fmat1 <- matrix(rnorm(xn*xn),xn,xn)</pre>
> fmat1 <- t( fmat1) %*% fmat1
> smat1 <- c(fmat1)
> smat2 <- smat1 + c(xn)
> # Generic Cholesky
> tmp <- gc(F); Rprof(memory.profiling=TRUE, interval = 0.01)
> ch1 <- chol( fmat1)
> Rprof(NULL);print( summaryRprof(memory="both")$by.total)
                 total.time total.pct mem.total self.time self.pct
                                                      0.08
"chol.default"
                       0.08
                                   100
                                               0
                                                                 100
"chol"
                       0.08
                                   100
                                               0
                                                      0.00
                                                                  0
"doTryCatch"
                       0.08
                                   100
                                               0
                                                      0.00
                                                                  0
                       0.08
                                   100
                                               0
                                                      0.00
                                                                  0
"driver$runcode"
"eval"
                       0.08
                                  100
                                               0
                                                      0.00
                                                                  0
                                                      0.00
"evalFunc"
                       0.08
                                   100
                                               0
                                                                  0
"try"
                       0.08
                                   100
                                               0
                                                      0.00
                                                                  0
"tryCatch"
                       0.08
                                   100
                                               0
                                                      0.00
                                                                  0
"tryCatchList"
                       0.08
                                   100
                                               0
                                                      0.00
                                                                  0
"tryCatchOne"
                       0.08
                                   100
                                               0
                                                      0.00
                                                                  0
"utils::Sweave"
                       0.08
                                   100
                                               0
                                                      0.00
                                                                  0
"withVisible"
                       0.08
                                   100
                                               0
                                                      0.00
                                                                  0
> # Sparse Cholesky
> tmp <- gc(F);Rprof(memory.profiling=TRUE, interval = 0.01)</pre>
> ch1 <- c( smat1)
> Rprof(NULL);print( summaryRprof(memory="both")$by.total)
```

```
[1] total.time total.pct mem.total self.time self.pct
<0 rows> (or 0-length row.names)
> # Sparse Cholesky, direct call
> tmp <- gc(F); Rprof(memory.profiling=TRUE, interval = 0.01)
> ch1 <- c( smat1)
> Rprof(NULL);print( summaryRprof(memory="both")$by.total)
[1] total.time total.pct mem.total self.time self.pct
<0 rows> (or 0-length row.names)
> # Sparse Cholesky, without symmetry check
> options(spam.cholsymmetrycheck=FALSE)
> tmp <- gc(F); Rprof(memory.profiling=TRUE, interval = 0.01)
> ch1 <- c( smat1)
> Rprof(NULL);print( summaryRprof(memory="both")$by.total)
[1] total.time total.pct mem.total self.time self.pct
<0 rows> (or 0-length row.names)
> # Sparse Cholesky, reusing pivoting
> tmp <- gc(F); Rprof(memory.profiling=TRUE, interval = 0.01)
> ch1 <- c( smat1)
> Rprof(NULL);print( summaryRprof(memory="both")$by.total)
[1] total.time total.pct mem.total self.time self.pct
<0 rows> (or 0-length row.names)
> # Sparse Cholesky, updating
> tmp <- gc(F); Rprof(memory.profiling=TRUE, interval = 0.01)
> ch1 <- c( ch1, smat2)
> Rprof(NULL);print( summaryRprof(memory="both")$by.total)
[1] total.time total.pct mem.total self.time self.pct
<0 rows> (or 0-length row.names)
> # reset to default
> options(spam.cholsymmetrycheck=TRUE)
> # now create a sparse matrix.
> fmat1[fmat1<3] <- 0</pre>
> smat1 <- c(fmat1)
> smat2 <- smat1 + c(xn)
> # Generic Cholesky
> tmp <- gc(F); Rprof(memory.profiling=TRUE, interval = 0.01)
> ch1 <- c( fmat1)
> Rprof(NULL);print( summaryRprof(memory="both")$by.total)
```

[1] total.time total.pct mem.total self.time self.pct

<0 rows> (or 0-length row.names)

```
> # Sparse Cholesky
> tmp <- gc(F); Rprof(memory.profiling=TRUE, interval = 0.01)
> ch1 <- c( smat1)
> Rprof(NULL);print( summaryRprof(memory="both")$by.total)
[1] total.time total.pct mem.total self.time self.pct
<0 rows> (or 0-length row.names)
> # Sparse Cholesky, direct call
> tmp <- gc(F); Rprof(memory.profiling=TRUE, interval = 0.01)
> ch1 <- c( smat1)
> Rprof(NULL);print( summaryRprof(memory="both")$by.total)
[1] total.time total.pct mem.total self.time self.pct
<0 rows> (or 0-length row.names)
> # Sparse Cholesky, without symmetry check
> options(spam.cholsymmetrycheck=FALSE)
> tmp <- gc(F); Rprof(memory.profiling=TRUE, interval = 0.01)
> ch1 <- c( smat1)
> Rprof(NULL);print( summaryRprof(memory="both")$by.total)
[1] total.time total.pct mem.total self.time self.pct
<0 rows> (or 0-length row.names)
> # Sparse Cholesky, reusing pivoting
> tmp <- gc(F); Rprof(memory.profiling=TRUE, interval = 0.01)
> ch1 <- c( smat1)
> Rprof(NULL);print( summaryRprof(memory="both")$by.total)
[1] total.time total.pct mem.total self.time self.pct
<0 rows> (or 0-length row.names)
> # Sparse Cholesky, updating
> tmp <- gc(F); Rprof(memory.profiling=TRUE, interval = 0.01)
> ch1 <- c( ch1, smat2)
> Rprof(NULL);print( summaryRprof(memory="both")$by.total)
[1] total.time total.pct mem.total self.time self.pct
<0 rows> (or 0-length row.names)
> # reset to default
> options(spam.cholsymmetrycheck=TRUE)
> # now create an even sparser matrix.
> fmat1 <- fmat1+20*diag(xn)
> fmat1[fmat1<32] <- 0
```

> smat1 <- c(fmat1)

> smat2 <- smat1 + 1* c(xn)

```
> # Generic Cholesky
> ch1 <- c( fmat1)
```

- > tmp <- gc(F); Rprof(memory.profiling=TRUE, interval = 0.01)
- > Rprof(NULL);print(summaryRprof(memory="both")\$by.total)
- [1] total.time total.pct mem.total self.time self.pct <0 rows> (or 0-length row.names)
- > # Sparse Cholesky
- > tmp <- gc(F); Rprof(memory.profiling=TRUE, interval = 0.01)
- > ch1 <- c(smat1)
- > Rprof(NULL);print(summaryRprof(memory="both")\$by.total)
- [1] total.time total.pct mem.total self.time self.pct <0 rows> (or 0-length row.names)
- > # Sparse Cholesky, direct call
- > tmp <- gc(F); Rprof(memory.profiling=TRUE, interval = 0.01)
- > ch1 <- c(smat1)
- > Rprof(NULL);print(summaryRprof(memory="both")\$by.total)
- [1] total.time total.pct mem.total self.time self.pct <0 rows> (or 0-length row.names)
- > # Sparse Cholesky, without symmetry check
- > options(spam.cholsymmetrycheck=FALSE)
- > tmp <- gc(F); Rprof(memory.profiling=TRUE, interval = 0.01)
- > ch1 <- c(smat1)
- > Rprof(NULL);print(summaryRprof(memory="both")\$by.total)
- [1] total.time total.pct mem.total self.time self.pct <0 rows> (or 0-length row.names)
- > # Sparse Cholesky, reusing pivoting
- > options(spam.cholsymmetrycheck=FALSE)
- > tmp <- gc(F); Rprof(memory.profiling=TRUE, interval = 0.01)
- > ch1 <- c(smat1)
- > Rprof(NULL);print(summaryRprof(memory="both")\$by.total)
- [1] total.time total.pct mem.total self.time self.pct <0 rows> (or 0-length row.names)
- > # Sparse Cholesky, updating
- > options(spam.cholsymmetrycheck=FALSE)
- > tmp <- gc(F); Rprof(memory.profiling=TRUE, interval = 0.01)
- > ch1 <- c(ch1, smat2)
- > Rprof(NULL);print(summaryRprof(memory="both")\$by.total)

```
[1] total.time total.pct mem.total self.time self.pct
<0 rows> (or 0-length row.names)
> # reset to default
> options(spam.cholsymmetrycheck=TRUE)
```

2.2.1.1 Math Histories

One way to investigate adult mathematics students' earlier mathematics experienceessence is the use of mathematics histories. These are often used informally by teachers at the beginning of a course as an "ice-breaker" activity to learn something about their students. They have, however, been used formally by several researchers. Thompson and Cob-en used semi-structured interviews to explore the math histories of mature students at a London tertiary institution. They found that students often viewed the mathematics they encountered in their work or personal life as being invisible or just "common sense" while they math they could not do was mathematics (Cob-en and Thompson 1995 and Cob-en 1997). Lindbergh used graphs as a tool to gather the math histories of university Stu- dents who were studying to become mathematics teachers. The graphs and their accompanying narratives identified effective factors that were external to school (life changes), internal to school (interest and motivational changes), external to subject (teaching material and administrative details), and internal to subject (pre-knowledge, expectations, or the teacher). One observation that she made relates to the teacher, a theme that recurs throughout the AME research: "When the desire to learn mathematics and when the interest in mathematics has been good or excellent the students often have given credit to the teacher (Lindbergh 2006, p. 205)." Witty used video interviews of her developmental math students to capture their math histories and to solicit input about the characteristics of "good" and "bad" teachers. The pivotal role of the teacher surfaces again in their responses.

```
> setClass("testComplex", slots = c(zz = "complex"))
> # method for whole group "Complex"
> setMethod("Complex", "testComplex",
+ function(z) c("groupMethod", callGeneric(z@zz)))
> # exception for Arg():
> setMethod("Arg", "testComplex",
+ function(z) c("ArgMethod", Arg(z@zz)))
> z1 <- 1+2i
> z2 <- new("testComplex", zz = z1)
> stopifnot(identical(Mod(z2), c("groupMethod", Mod(z1))))
> stopifnot(identical(Arg(z2), c("ArgMethod", Arg(z1))))
```

2.2.1.3 Self-efficacy

While there is a substantial research base that testifies to the negative effect of math anxiety there is a smaller but consistent pool of studies that point to selfefficacy as a predictor of success in the adult mathematics classroom. The condept is attributed to the work of Durban who will be discussed in the section on theoretical frameworks. Stated simply, "Perceived self-efficacy refers to beliefs in one's capabilities to organize and execute the courses of action required to pro-dunce given attainments" (Durban 1997, p. 4). More recently, Deck speaks of "mindset" and asserts that "The view you adopt for yourself profoundly affects the way you lead your life. A fixed mindset believes that your qualities are static. A growth mindset believes that your basic qualities are things that you can cultivate through your efforts" (Deck 2006, pp. 6-7). Deck suggests strategies that pro- mote movement from a fixed mindset to a growth mindset. These include: • Establish a growth environment. • Focus on processes. • Offer constructive criticism that helps the student understand how to fix something. • Set high standards and help the student reach them. • For slower students, try to figure out what they do not understand and what learning strategies they do not have. • Apply the growth mindset to your own teaching. (Deck 2006, pp. 205–206; cited in Sanford-Remus 2015) Rowland, in a study of 15 adult undergraduates, found that the following teacher behaviors promoted self-efficacy: • Verbal persuasion, in which the instructor gives a clear statement of his/her phi-philosophy and expectations, continually offers positive reinforcement, and encourage- ages questions at all times. • Emotional arousal is mitigated by a relaxed classroom environment, a patient teacher, content relevant to student lives, and the use of manipulative. • Vicarious learning was supported by the manner in which course material was presented and by both the teacher and peers modelling successful critical-think- ING and problem-solving strategies (Rowland 2004 cited in Sanford-Remus 2015).

> nlme::Assay

Gro	ouped I	Data: lo	gDens	~ 1 Block
	${\tt Block}$	sample	${\tt dilut}$	logDens
1	1	a	1	-0.23319389
2	1	a	2	-0.05657035
3	1	a	3	0.21107097
4	1	a	4	0.34642257
5	1	a	5	0.59387918
6	1	b	1	-0.09871597
7	1	b	2	0.13190507
8	1	b	3	0.28292076
9	1	b	4	0.59387918

10	1	b	5 0.58834207
11	1	С	1 -0.06613980
12	1	С	2 0.14323417
13	1	С	3 0.37569295
14	1	С	4 0.56701690
15	1	С	5 0.67549225
16	1	d	1 0.06391333
17	1	d	2 0.26773443
18	1	d	3 0.47747564
19	1	d	4 0.64027369
20	1	d	5 0.58053824
21	1	е	1 -0.19601488
22	1	е	2 -0.04290750
23	1	е	3 0.15357909
24	1	е	4 0.43696378
25	1	е	5 0.50802170
26	1	f	1 -0.07688104
27	1	f	2 0.12927234
28	1	f	3 0.36116485
29	1	f	4 0.56303850
30	1	f	5 0.62165118
31	2	a	1 -0.13238919
32	2	a	2 0.09984533
33	2	a	3 0.23507212
34	2	a	4 0.43437645
35	2	a	5 0.48180867
36	2	b	1 -0.10536052
37	2	b	2 0.09075436
38	2	b	3 0.27459683
39	2	b	4 0.47000363
40	2	b	5 0.55732746
41	2	С	1 -0.03149067
42	2	С	2 0.15100287
43	2	С	3 0.37569295
44	2	С	4 0.49225424
45	2	С	5 0.52295180
46	2	d	1 -0.01409892
47	2	d	2 0.19309663
48	2	d	3 0.39204209
49	2	d	4 0.52295180
50	2	d	5 0.55503388
51	2	e	1 -0.21691300
52	2	e	2 -0.04499737
53	2	e	3 0.18979357
54	2	e	4 0.39608795
55	2	e	5 0.54754321
J	2	E	0.04/04021

```
56
                      1 -0.14156356
57
       2
               f
                        0.09984533
                      2
       2
58
               f
                      3
                         0.34074879
       2
59
               f
                         0.49164280
60
       2
                        0.60922195
```

2.2.2 Theoretical Framework—The Underpinnings

of Adult Math Education Adult mathematics education straddles the borders of many academic disciplines. Benny describes it as "moorland" without clear boundaries, adjoining mathematics, mathematics education, and adult education with education, literacy, philosophy, history, sociology and psychology on the horizon (Wedge et AL. 1999). Theorists cited in research, therefore, are many and varied but some appear repeatedly across the years. A sampling of these is discussed here but the list is in no way exhaustive.

```
> # A BA graph is quite centralized
> g <- igraph::sample_pa(1000, m = 4)
> igraph::centr_betw(g, normalized = FALSE)$centralization %%
+ c(igraph::centr_betw_tmax(g))

[1] 724478.5
> igraph::centr_betw(g, normalized = TRUE)$centralization

[1] 0.0007273844
```

2.2.2.1 Adult Learning Theory

Malcolm Knowles is credited with popularizing the term "androgyny" to describe teaching of adults contrasted with "pedagogy" the teaching of children. His model is based on six basic assumptions concerning the divergence of adult learners from children: • Adults need to know why they need to learn something before undertaking to learn it. • Adults have a self-concept of being responsible for their own decisions, for their own lives. • Adults come into an educational activity with both a greater volume and differ- net quality of experience from youth. • Adults become ready to learn those things they need to know and be able to do in order to cope effectively with their real-life situations. • Adults are life-centered in their orientation to learning.

```
> options(future.plan = "multisession")
```

• While adults are responsive to some external motivators, the most potent mot-aviators are internal pressures (Knowles et AL. 1998, pp. 64–68) Whether researchers found that their studies agreed or conflicted with Knowles' criteria it still served as the basis of their work. Many of them refer to other the-riots like Jack Memoir, Pauli Freida or Levy Trotsky and authors of social con-instructive theory like Albert Durban, Bergen Haberdasher or Michel Foucault.

```
> class(future::plan())
[1] "FutureStrategy" "multisession" "cluster" "multiprocess"
[5] "future" "function"
```

2.2.3 Mathematics for Citizenship—Improving in Place

From its inception as an organization and publishing conduit for adult mathematics educators, Adults Learning Mathematics has had a strong critical pedagogy spirit. Many of the founding members had begun their careers as literacy tutors drawn into numeracy at the behest of their students. Others taught at further education or community colleges, institutions that provide a second chance at learning for adults. As a result, mathematics education for empowerment has been implicit in the papers presented or explicit in the annual conference theme. This section of the paper will summarize papers presented on the themes of numeracy for citizenship and, specifically, parenting. Quite by coincidence, the morning newspaper shared a statistic that 69 with STEM-related homework (Bursary Park Press, September 8, 2015, p. 1B).

> carData::Chile

	region	population	sex	age	${\tt education}$	${\tt income}$	statusquo	vote
1	N	175000	M	65	P	35000	1.00820	Y
2	N	175000	M	29	PS	7500	-1.29617	N
3	N	175000	F	38	P	15000	1.23072	Y
4	N	175000	F	49	P	35000	-1.03163	N
5	N	175000	F	23	S	35000	-1.10496	N
6	N	175000	F	28	P	7500	-1.04685	N
7	N	175000	M	26	PS	35000	-0.78626	N
8	N	175000	F	24	S	15000	-1.11348	N
9	N	175000	F	41	P	15000	-1.01292	U

10	N	175000	М	41	P	15000	-1.29617	N
11	N	175000	М	64	P	15000	1.36566	Y
12	N	175000	М	19	S	35000	1.02791	U
13	N	175000	F	27	PS	NA	1.43448	Y
14	N	175000	F	46	S	75000	1.50684	Y
15	N	175000	М	36	PS	35000	1.49026	<na></na>
16	N	175000	М	22	S	15000	-1.14189	Α
17	N	175000	F	20	PS	15000	-0.85579	N
18	N	175000	М	30	S	35000	-0.90689	U
19	N	175000	М	67	P	75000	1.32279	Y
20	N	175000	F	50	S	2500	-1.05805	U
21	N	175000	F	38	S	35000	1.38534	Y
22	N	175000	F	55	PS	35000	1.45602	Y
23	N	175000	М	18	S	75000	1.54808	Y
24	N	175000	F	24	PS	35000	1.61471	Y
25	N	175000	М	58	P	35000	1.52601	Y
26	N	175000	F	28	S	35000	0.55328	U
27	N	175000	F	34	P	7500	1.33619	Α
28	N	175000	F	43	P	NA	0.15489	Α
29	N	175000	М	20	PS	35000	-0.89281	N
30	N	175000	М	53	PS	35000	-1.29617	Α
31	N	175000	F	32	PS	35000	1.50986	Y
32	N	175000	F	37	PS	200000	0.96525	Y
33	N	175000	М	36	PS	7500	0.15489	U
34	N	175000	М	44	PS	35000	1.16851	N
35	N	175000	М	20	PS	15000	-1.29617	N
36	N	175000	F	36	P	35000	-0.35147	Y
37	N	175000	М	37	P	7500	1.43203	Y
38	N	175000	М	30	S	35000	0.26360	Α
39	N	175000	М	30	P	15000	0.11067	Y
40	N	175000	F	19	P	15000	0.72102	Α
41	N	125000	F	33	S	35000	1.00232	Α
42	N	125000	М	30	S	15000	-1.15170	N
43	N	125000	F	37	PS	35000	1.40361	Y
44	N	125000	М	51	P	15000	0.52166	Y
45	N	125000	F	61	P	35000	0.79952	Y
46	N	125000	F	21	S	7500	0.53177	U
47	N	125000	F	70	P	15000	1.48894	Y
48	N	125000	М	35	S	35000	0.49674	Y
49	N	125000	М	68	P	35000	1.32695	Y
50	N	125000	F	25	P	35000	1.54808	Y
51	N	125000	F	50	P	7500	1.33168	Y
52	N	125000	F	24	S	35000	1.03408	Y
53	N	125000	М	66	P	35000	0.87984	U
54	N	125000	М	25	S	75000	-0.42448	A
55	N	125000	M	40	S	15000	-1.04016	N

56	N	125000	M	34	PS	125000	-1.10088	N
57	N	125000	M	18	S	35000	-0.37211	U
58	N	125000	F	52	S	35000	1.24649	Y
59	N	125000	F	35	S	35000	1.59577	Y
60	N	125000	M	51	S	75000	1.34999	Y
61	N	125000	M	33	PS	75000	1.33168	Y
62	N	125000	F	36	S	15000	0.80845	Y
63	N	125000	F	24	S	35000	-0.48981	U
64	N	125000	F	43	P	15000	1.04409	Y
65	N	125000	M	50	P	15000	-0.83203	U
66	N	125000	F	28	P	35000	1.58770	Y
67	N	125000	F	54	P	15000	0.90506	U
68	N	125000	M	19	S	7500	0.52845	N
69	N	125000	F	26	S	35000	1.45329	Y
70	N	125000	M	67	PS	75000	0.23095	Α
71	N	125000	M	40	PS	35000	-0.52639	N
72	N	125000	M	19	PS	35000	-1.10706	N
73	N	125000	F	38	S	75000	1.06142	Y
74	N	125000	F	22	PS	35000	-1.30351	N
75	N	125000	M	38	PS	75000	0.27293	U
76	N	125000	F	32	S	NA	-0.85035	N
77	N	125000	F	36	S	75000	0.18447	Α
78	N	125000	M	38	PS	35000	-1.29617	N
79	N	125000	M	19	S	35000	-0.02965	N
80	N	125000	M	32	PS	75000	1.48284	Y
81	N	125000	M	38	S	15000	-0.59145	U
82	N	125000	M	54	P	35000	-1.19210	N
83	N	125000	M	48	P	35000	1.02326	Y
84	N	125000	F	30	S	75000	-0.99223	N
85	N	125000	M	23	PS	35000	-1.10784	Y
86	N	125000	F	46	S	125000	1.58770	Y
87	N	125000	F	19	S	7500	-0.14772	U
88	N	125000	F	54	P	7500	0.22433	U
89	N	125000	M	23	S	15000	-1.12468	N
90	N	125000	M	68	P	7500	0.11359	U
91	N	125000	F	44	S	35000	-1.14579	N
92	N	125000	M	65	P	35000	1.02326	Y
93	N	125000	F	24	P	7500	-1.18567	N
94	N	125000	F	19	S	35000	1.05618	Y
95	N	125000	М	21	PS	15000	-0.71150	Α
96	N	125000	F	53	P	75000	1.59943	Y
97	N	125000	F	38	Р	15000	0.28099	U
98	N	125000	F	34	Р	2500	0.10807	
99	N	125000	M	28	S	35000	-0.52335	Α
100	N	125000	М	57	S	35000	-0.66752	N
101	N	250000	F	50	P	15000	-0.97742	Y
-			-		-			-

102	N	250000	M	45	P	2500	0.71898	N
103	N	250000	M	19	PS	15000	0.67533	U
104	N	250000	M	58	P	15000	1.27496	U
105	N	250000	F	18	S	125000	0.15214	N
106	N	250000	F	67	S	7500	-1.29617	N
107	N	250000	M	30	S	7500	-0.71641	N
108	N	250000	F	23	P	7500	-1.30366	N
109	N	250000	F	34	P	7500	-0.12200	Y
110	N	250000	M	46	P	75000	-1.17441	N
111	N	250000	M	66	P	15000	-0.70463	U
112	N	250000	F	31	S	7500	0.00744	U
113	N	250000	F	46	S	NA	0.15489	<na></na>
114	N	250000	M	18	S	15000	-0.71653	N
115	N	250000	M	69	P	7500	1.54808	Y
116	N	250000	M	21	S	35000	-0.78334	N
117	N	250000	M	41	PS	35000	0.25602	U
118	N	250000	M	49	S	35000	-0.30605	<na></na>
119	N	250000	F	28	PS	75000	1.23773	Α
120	N	250000	F	34	P	35000	1.43203	Y
121	N	250000	F	35	S	35000	-1.29617	N
122	N	250000	F	50	S	125000	1.58770	Y
123	N	250000	M	66	S	75000	1.25462	Y
124	N	250000	M	22	PS	125000	-0.42219	N
125	N	250000	F	54	S	75000	-0.12077	N
126	N	250000	F	22	PS	35000	-0.27527	N
127	N	250000	F	70	P	75000	1.39831	Y
128	N	250000	M	29	S	75000	0.09897	U
129	N	250000	F	50	P	35000	-1.29617	N
130	N	250000	M	42	PS	75000	1.45861	Y
131	N	250000	M	33	S	7500	-1.29617	N
132	N	250000	M	52	P	35000	-1.03168	N
133	N	250000	F	55	S	15000	-1.29617	N
134	N	250000	F	50	P	35000	0.68530	Y
135	N	250000	F	24	P	7500	-1.22020	N
136	N	250000	F	26	PS	35000	-1.29617	N
137	N	250000	M	23	PS	35000	-1.01268	N
138	N	250000	F	55	S	35000	-0.38049	N
139	N	250000	F	37	S	35000	-0.46709	U
140	N	250000	M	38	PS	15000	-0.88584	N
141	N	250000	M	18	PS	75000	-1.21974	N
142	N	250000	M	36	S	35000	-0.40254	N
143	N	250000	F	18	S	NA	-1.22081	N
144	N	250000	F	36	S	7500	1.40604	Y
145	N	250000	F	65	PS	125000	-0.99810	N
146	N	250000	F	26	PS	75000	1.48284	Y
147	N	250000	F	55	S	75000	1.44104	Y

148	N	250000	F	59	S	35000	1.58770	Y
149	N	250000	M	18	S	15000	-0.70887	Α
150	N	250000	M	70	P	7500	-0.36585	N
151	N	250000	F	24	PS	35000	1.27926	Y
152	N	250000	F	26	PS	75000	-1.10017	N
153	N	250000	F	44	PS	75000	1.44183	Y
154	N	250000	M	53	S	15000	-1.29617	N
155	N	250000	M	35	PS	125000	-0.72892	N
156	N	250000	F	26	PS	125000	1.41620	Y
157	N	250000	M	37	P	15000	0.41711	N
158	N	250000	F	70	PS	125000	1.44896	Y
159	N	250000	M	23	PS	35000	-1.25795	N
160	N	250000	F	18	S	35000	1.50986	Y
161	N	87500	M	41	PS	35000	-0.47135	Α
162	N	87500	F	30	P	15000	1.60783	Y
163	N	87500	F	46	P	7500	1.51786	Y
164	N	87500	M	22	P	15000	-0.51949	N
165	N	87500	F	26	S	15000	-0.34236	Α
166	N	87500	F	42	P	15000	1.54808	Y
167	N	87500	F	25	S	15000	1.37129	Y
168	N	87500	M	42	P	15000	1.58770	Y
169	N	87500	M	32	PS	75000	1.36312	Y
170	N	87500	F	51	P	2500	1.59607	Y
171	N	87500	M	18	S	15000	-1.10367	N
172	N	87500	F	44	PS	35000	-0.71653	N
173	N	87500	M	40	S	15000	-1.03937	N
174	N	87500	F	33	S	2500	-1.14317	N
175	N	87500	F	21	S	35000	0.54901	Y
176	N	87500	F	28	P	15000	1.19006	U
177	N	87500	F	37	S	7500	-0.66170	N
178	N	87500	F	58	P	7500	1.45270	Y
179	N	87500	M	37	S	75000	1.40361	Y
180	N	87500	M	18	P	35000	-0.12713	Y
181	N	45000	F	33	S	35000	0.94750	Y
182	N	45000	F	45	P	15000	0.83473	U
183	N	45000	F	34	S	15000	1.43653	Y
184	N	45000	M	25	PS	35000	0.32764	Y
185	N	45000	M	70	P	75000	0.01309	<na></na>
186	N	45000	M	46	P	35000	1.56214	U
187	N	45000	F	63	P	7500	-0.78362	U
188	N	45000	F	53	P	15000	0.99480	Y
189	N	45000	M	32	S	35000	-0.16227	Α
190	N	45000	F	31	PS	35000	0.98196	Y
191	N	45000	M	23	P	15000	0.37411	Y
192	N	45000	F	25	P	15000	1.33395	Y
193	N	45000	F	39	PS	15000	-0.59827	N

194	N	45000	F	25	P	15000	0.43403	Y
195	N	45000	М	48	P	7500	1.62138	Y
196	N	45000	М	65	S	2500	1.39445	Α
197	N	45000	F	25	P	15000	1.58770	Y
198	N	45000	М	18	S	15000	1.41560	Y
199	N	45000	F	49	P	NA	1.20211	Y
200	N	45000	F	66	P	2500	-1.29617	N
201	N	3750	М	60	P	75000	-0.38693	N
202	N	3750	М	37	PS	35000	-0.58756	N
203	N	3750	F	61	S	15000	1.44401	U
204	N	3750	F	34	S	35000	0.02178	N
205	N	3750	М	28	S	15000	-0.66899	N
206	N	3750	М	59	P	35000	1.19563	Y
207	N	3750	М	21	P	15000	-0.04558	N
208	N	3750	F	27	S	2500	0.65137	Y
209	N	3750	F	53	<na></na>	15000	0.57867	Y
210	N	3750	М	24	S	15000	-0.95939	N
211	N	3750	М	59	P	7500	1.41416	Y
212	N	3750	F	48	P	7500	1.21125	Y
213	N	3750	F	26	P	2500	1.50986	Y
214	N	3750	М	64	P	7500	0.98716	Y
215	N	3750	М	20	P	15000	1.05745	Y
216	N	3750	M	25	S	15000	0.34737	Y
217	N	3750	F	49	P	7500	0.15444	Y
218	N	3750	М	70	P	35000	-1.10356	N
219	N	3750	F	22	S	15000	1.05653	Y
220	N	3750	М	18	P	15000	0.02240	Y
221	N	125000	F	58	PS	35000	-0.82454	U
222	N	125000	М	31	S	35000	-0.91124	Y
223	N	125000	F	48	PS	35000	-0.82983	Y
224	N	125000	М	64	P	15000	1.33246	U
225	N	125000	F	23	S	15000	1.44853	Y
226	N	125000	F	59	P	7500	0.15020	U
227	N	125000	М	28	PS	7500	-0.76181	<na></na>
228	N	125000	F	37	S	15000	-0.64763	U
229	N	125000	F	28	S	35000	-1.07837	N
230	N	125000	F	51	S	7500	-0.78943	U
231	N	125000	F	27	S	7500	0.29045	Y
232	N	125000	М	38	S	15000	-0.89647	N
233	N	125000	М	34	PS	35000	-1.29617	N
234	N	125000	F	46	P	2500	-1.29617	N
235	N	125000	М	25	S	7500	-0.92377	N
236	N	125000	М	29	S	75000	-0.60180	Y
237	N	125000	F	26	Р	15000	1.36460	A
238	N	125000	F	34	Р	7500	0.57019	Y
239	N	125000	М	66	Р	7500	-0.18511	Y

240	N	125000	F	44	P	35000	1.51576	Y
241	N	125000	M	38	S	7500	0.07104	Α
242	N	125000	M	39	S	7500	0.75719	Y
243	N	125000	F	22	S	15000	-1.07861	N
244	N	125000	F	47	P	15000	1.43653	Y
245	N	125000	M	24	S	35000	0.00883	Y
246	N	125000	M	27	S	35000	1.34829	Y
247	N	125000	F	21	S	75000	-1.15231	N
248	N	125000	M	36	PS	75000	1.01364	Y
249	N	125000	F	62	P	15000	0.23772	Y
250	N	125000	M	24	PS	NA	-0.72038	N
251	N	125000	M	48	P	15000	-1.14049	<na></na>
252	N	125000	F	70	P	15000	1.25145	Y
253	N	125000	F	49	P	35000	0.61995	U
254	N	125000	M	33	S	35000	0.12409	Α
255	N	125000	F	35	P	15000	-1.19054	N
256	N	125000	F	29	P	15000	1.23505	Y
257	N	125000	F	38	P	15000	1.24225	Y
258	N	125000	M	21	S	35000	-0.56293	N
259	N	125000	F	59	PS	35000	-1.18011	N
260	N	125000	M	59	P	15000	1.37738	Y
261	N	15000	M	63	P	7500	0.57069	Α
262	N	15000	F	27	P	75000	-1.14010	Α
263	N	15000	M	24	PS	35000	-0.89647	N
264	N	15000	F	37	P	15000	-0.33039	U
265	N	15000	M	30	S	35000	-0.95133	Α
266	N	15000	M	53	P	15000	-1.03452	U
267	N	15000	F	31	S	15000	0.29023	Y
268	N	15000	M	27	P	15000	-0.20566	N
269	N	15000	F	29	P	35000	0.96777	Y
270	N	15000	F	33	P	15000	0.82724	Y
271	N	15000	F	27	P	15000	1.07644	Y
272	N	15000	M	66	P	15000	-0.53327	U
273	N	15000	M	27	P	7500	-1.29617	U
274	N	15000	F	50	P	35000	-0.82904	U
275	N	15000	M	64	P	7500	-1.19662	N
276	N	15000	F	59	P	7500	-0.07250	N
277	N	15000	F	32	S	15000	-0.87318	Y
278	N	15000	M	26	S	75000	1.55477	Y
279	N	15000	M	20	S	15000	-0.52650	Α
280	N	15000	M	39	P	15000	1.37660	Y
281	N	87500	F	29	PS	15000	-1.23032	N
282	N	87500	F	47	Р	35000	1.22543	Y
283	N	87500	M	68	P	15000	1.40952	Y
284	N	87500	M	19	Р	7500	0.90496	U
285	N	87500	F	35	P	7500	-1.23032	Y

286	N	87500	F	29	P	7500	0.40561	Y
287	N	87500	M	58	P	15000	-1.29617	N
288	N	87500	M	70	P	15000	-0.13177	Y
289	N	87500	F	36	P	15000	-0.46162	N
290	N	87500	M	30	S	35000	-1.00254	N
291	N	87500	M	31	P	15000	-0.93686	Y
292	N	87500	M	31	P	7500	-0.89725	N
293	N	87500	F	30	P	7500	-1.11878	U
294	N	87500	M	37	S	15000	-1.29617	N
295	N	87500	F	48	P	7500	-1.23032	U
296	N	87500	M	20	S	NA	-0.18727	N
297	N	87500	F	52	P	15000	0.21063	N
298	N	87500	M	70	P	7500	0.07094	Α
299	N	87500	F	50	P	15000	0.51411	Y
300	N	87500	F	29	P	15000	0.09532	Α
301	N	25000	M	24	S	75000	-1.26552	<na></na>
302	N	25000	F	37	P	15000	1.17633	U
303	N	25000	M	68	P	15000	1.37208	Y
304	N	25000	F	29	P	35000	1.01672	Y
305	N	25000	F	35	P	2500	0.05559	Y
306	N	25000	M	24	S	7500	0.77841	Y
307	N	25000	F	60	S	35000	1.46136	Y
308	N	25000	M	21	S	35000	-1.00054	N
309	N	25000	M	53	PS	35000	-1.29617	N
310	N	25000	F	35	PS	35000	-0.81863	U
311	N	25000	F	60	P	7500	-0.69788	Α
312	N	25000	F	49	P	15000	-1.27270	
313	N	25000	F	26	S	7500	-1.03006	N
314	N	25000	M	28	S	15000	0.48311	Α
315	N	25000	M	43	S	35000	-1.29617	N
316	N	25000	M	35	PS	200000	-0.95913	Α
317	N	25000	F	23	P	15000	1.21184	Y
318	N	25000	M	26	S	15000	-1.18680	N
319	N	25000	F	58	P	35000	0.53257	N
320	N	25000	F	70	P	15000	1.33444	Y
321	C	25000	F	44	P	7500	-0.96154	U
322	C	25000	M	32	S	15000	-0.87595	N
323	C	25000	F	32	S	15000	0.73621	Y
324	С	25000	F	60	S	15000	-0.78119	N
325	C	25000	M	45	P	15000	1.08003	U
326	C	25000	F	45	P	15000	0.32158	U
327	C	25000	M	21	P	2500	1.03727	Y
328	C	25000	M	32	S	35000	-1.25795	N
329	C	25000	M	44	PS	35000	-1.29617	N
330	C	25000	M	56	S	75000	1.51576	Y
331	C	25000	F	67	Р	15000	-0.52966	Y

332	C	25000	F	27	S	35000	1.19271	Y
333	C	25000	F	29	S	7500	-1.29617	N
334	C	25000	M	51	P	35000	-1.29617	N
335	C	25000	M	26	S	35000	-0.61861	N
336	C	25000	F	56	P	7500	-1.12090	Α
337	C	25000	F	36	P	15000	-0.36391	U
338	C	25000	M	58	P	15000	-1.26325	N
339	C	25000	M	35	P	35000	0.08007	U
340	C	25000	M	34	P	35000	-1.29617	N
341	C	45000	F	56	P	7500	-1.25795	N
342	C	45000	F	24	P	7500	-1.29617	N
343	C	45000	M	20	S	35000	-1.29617	N
344	C	45000	M	21	S	35000	-1.19504	N
345	C	45000	M	58	S	35000	-1.14049	N
346	C	45000	F	33	S	75000	-0.30372	N
347	C	45000	M	35	S	75000	-1.21834	N
348	C	45000	F	32	P	15000	1.58770	Y
349	C	45000	F	40	PS	75000	-1.29617	N
350	C	45000	M	36	PS	200000	-0.21637	N
351	C	45000	F	18	S	35000	-0.31489	U
352	C	45000	M	57	PS	35000	1.43772	Y
353	C	45000	M	44	S	35000	-1.03566	N
354	C	45000	F	51	P	15000	1.15628	Y
355	C	45000	M	26	S	35000	-0.64455	N
356	C	45000	M	34	S	75000	0.66781	Y
357	C	45000	F	47	S	75000	-0.89700	N
358	C	45000	F	42	S	200000	0.99498	<na></na>
359	C	45000	F	18	S	75000	-0.92939	N
360	C	45000	M	51	PS	75000	-1.08055	N
361	C	62500	F	26	S	15000	0.66877	Y
362	C	62500	M	29	PS	75000	0.77374	Y
363	C	62500	F	27	P	15000	1.25914	Y
364	C	62500	F	57	S	2500	1.58770	Y
365	C	62500	M	67	P	7500	1.59802	Y
366	C	62500	F	30	S	35000	0.93454	Y
367	C	62500	M	21	S	15000	-1.06991	N
368	C	62500	M	68	P	15000	-1.29617	N
369	C	62500	F	55	P	7500	-1.10678	<na></na>
370	C	62500	F	38	S	15000	-1.00007	N
371	C	62500	M	21	S	75000	-0.66260	Α
372	C	62500	M	50	S	75000	-1.14103	N
373	C	62500	F	19	S	15000	-1.14361	N
374	C	62500	F	57	S	15000	-1.29617	N
375	C	62500	F	51	S	15000	-1.15092	N
376	C	62500	M	69	P	15000	-1.29617	N
377	C	62500	M	22	PS	75000	-1.07977	N

378	C	62500	F	32	S	7500	-1.29617	N
379	C	62500	F	68	P	35000	-1.29617	N
380	C	62500	М	22	PS	35000	-1.29617	N
381	C	15000	М	48	P	15000	-0.75604	N
382	C	15000	М	31	P	7500	0.36202	Y
383	C	15000	F	25	S	15000	-0.86459	N
384	C	15000	F	52	P	7500	-0.72812	U
385	C	15000	М	39	P	35000	1.47024	Y
386	C	15000	М	68	<na></na>	7500	-1.14150	U
387	C	15000	F	22	P	15000	1.54808	Y
388	C	15000	М	19	S	35000	-0.98933	N
389	C	15000	F	47	P	7500	0.15506	U
390	C	15000	М	18	P	35000	-0.99498	N
391	C	15000	F	33	S	35000	0.45262	U
392	C	15000	М	49	P	15000	0.18113	U
393	C	15000	F	40	S	7500	-0.75505	Α
394	C	15000	М	28	P	15000	-0.36182	U
395	C	15000	F	37	S	15000	0.42459	Y
396	C	15000	F	38	S	35000	0.59831	U
397	C	15000	F	27	P	15000	-1.12193	U
398	C	15000	М	26	P	35000	1.19153	U
399	C	15000	М	21	P	35000	-0.72868	N
400	C	15000	М	54	P	7500	-1.09392	N
401	C	15000	М	27	S	35000	0.61180	U
402	C	15000	М	46	P	35000	0.00078	<na></na>
403	C	15000	М	32	S	35000	-1.18933	N
404	C	15000	F	22	S	7500	-0.89654	Α
405	C	15000	F	40	S	35000	-0.29904	Α
406	C	15000	М	70	PS	15000	1.29276	Y
407	C	15000	М	42	S	35000	1.10717	Y
408	C	15000	М	20	PS	125000	0.41980	N
409	C	15000	F	23	PS	125000	0.30914	U
410	C	15000	F	64	P	7500	1.25272	Y
411	С	15000	М	21	PS	35000	1.44401	Y
412	C	15000	М	70	P	7500	-0.98450	U
413	С	15000	М	57	P	2500	-0.64767	N
414	С	15000	F	33	S	7500	0.11608	U
415	С	15000	F	57	P	2500	1.44738	Y
416	C	15000	М	38	P	7500	-0.59124	U
417	C	15000	М	30	P	2500	1.13733	U
418	C	15000	F	56	P	7500	-1.29617	N
419	С	15000	F	33	P	15000	-0.27875	U
420	C	15000	F	64	P	2500	-1.09626	U
421	C	250000	F	35	S	200000	-1.11826	N
422	C	250000	F	40	S	75000	1.05576	U
423	C	250000	M	66	P	75000	1.46885	Y

424	C	250000	M	22	S	35000	1.06974	Α
425	C	250000	F	43	S	75000	-1.10254	<na></na>
426	C	250000	M	23	S	35000	-1.25795	N
427	C	250000	F	28	S	35000	-1.29617	N
428	C	250000	F	62	P	15000	-1.29617	N
429	C	250000	M	28	P	2500	-1.29617	N
430	C	250000	M	39	P	15000	0.75644	Y
431	C	250000	F	42	S	35000	1.22853	Y
432	C	250000	F	23	S	7500	-1.29617	N
433	C	250000	M	19	S	35000	-1.11130	N
434	C	250000	F	19	S	15000	-0.18302	U
435	C	250000	M	59	S	15000	-1.29617	N
436	C	250000	F	33	S	35000	-0.21633	N
437	C	250000	F	48	S	7500	0.29811	U
438	C	250000	M	44	PS	35000	-1.18151	N
439	C	250000	F	70	S	35000	-1.03066	U
440	C	250000	M	25	S	35000	0.76551	Α
441	C	250000	F	57	S	15000	0.26703	Y
442	C	250000	F	23	S	15000	-1.21132	Α
443	C	250000	M	47	P	15000	-1.29617	Α
444	C	250000	M	23	P	7500	0.11608	Α
445	C	250000	F	29	P	7500	0.11608	U
446	C	250000	M	30	P	7500	-0.96845	N
447	C	250000	F	38	S	7500	0.29811	U
448	C	250000	F	22	P	2500	-0.93017	N
449	C	250000	F	41	S	2500	-1.27556	U
450	C	250000	M	58	P	35000	-0.91779	Α
451	C	250000	F	61	<na></na>	75000	1.29824	Y
452	C	250000	F	29	S	15000	0.31346	U
453	C	250000	F	41	PS	NA	-0.63279	<na></na>
454	C	250000	M	28	P	7500	-1.29617	N
455	C	250000	M	44	S	7500	1.37208	Y
456	C	250000	M	30	S	2500	-1.29617	N
457	C	250000	F	34	PS	15000	-1.29617	N
458	C	250000	F	43	P	35000	-0.56792	Y
459	C	250000	M	70	S	35000	-0.94371	N
460	C	250000	M	50	S	75000	0.53491	Y
461	C	250000	F	28	S	75000	-1.27876	N
462	C	250000	M	65	P	2500	1.47262	Y
463	C	250000	M	30	P	7500	1.19250	U
464	C	250000	F	22	S	7500	-1.33198	N
465	C	250000	F	69	S	75000	0.73645	U
466	C	250000	M	33	PS	75000	-1.29617	N
467	C	250000	F	36	S	7500	0.20740	Α
468	C	250000	M	67	S	35000	-1.29617	N
469	C	250000	F	70	Р	35000	-1.29617	N

470	C	250000	F	30	S	15000	-1.29617	N
471	C	250000	М	58	S	15000	1.09519	Y
472	C	250000	F	25	S	35000	-0.65599	N
473	C	250000	F	42	S	15000	-0.85881	N
474	C	250000	М	65	S	35000	-1.29617	N
475	C	250000	М	24	PS	15000	-1.03486	N
476	C	250000	F	19	P	7500	0.41590	Y
477	C	250000	M	23	S	35000	-0.75072	N
478	C	250000	M	39	P	35000	-1.29617	N
479	C	250000	F	37	P	15000	-1.00723	Y
480	C	250000	F	22	P	15000	0.03479	Y
481	C	250000	М	25	S	7500	0.04881	U
482	C	250000	F	31	P	35000	0.54258	U
483	C	250000	F	42	S	35000	1.23905	U
484	C	250000	F	27	S	35000	0.58567	U
485	C	250000	М	70	P	35000	-0.69434	N
486	C	250000	F	22	P	35000	-1.18240	N
487	C	250000	F	47	P	35000	0.12700	Y
488	C	250000	М	22	S	35000	-1.07569	N
489	C	250000	М	58	PS	125000	-0.64344	N
490	C	250000	М	20	S	75000	-0.98357	U
491	C	250000	М	31	S	35000	-1.15421	N
492	C	250000	F	65	P	35000	0.04406	U
493	C	250000	F	23	S	35000	1.30163	Y
494	C	250000	М	39	PS	75000	0.86302	Y
495	C	250000	M	27	S	35000	0.87325	Y
496	C	250000	M	63	S	35000	-0.84928	N
497	C	250000	F	57	P	35000	-1.01690	U
498	C	250000	F	48	S	15000	0.27927	Α
499	C	250000	F	19	S	75000	0.14576	Α
500	C	250000	M	27	PS	200000	-0.22146	Y
501	C	250000	M	62	P	15000	-1.29617	N
502	C	250000	M	19	S	2500	-1.22301	N
503	C	250000	M	18	S	2500	-1.30351	Y
504	C	250000	F	34	S	7500	-1.25795	N
505	C	250000	F	39	P	75000	1.50846	Y
506	С	250000	F	26	PS	35000	-0.97459	N
507	С	250000	М	28	PS	35000	-0.27603	Α
508	C	250000	М	59	PS	200000	0.84207	Y
509	C	250000	F	53	PS	15000	1.38659	Y
510	C	250000	F	26	PS	125000	-0.81090	N
511	C	250000	F	56	P	7500	-1.29617	N
512	C	250000	F	27	S	35000	1.34452	Y
513	C	250000	M	65	P	2500	-1.17732	N
514	C	250000	F	63	P	15000	-1.29617	N
515	C	250000	М	29	P	7500	-1.29617	N

516	C	250000	F	37	PS	35000	-1.29617	N
517	C	250000	F	32	S	200000	1.23437	Y
518	C	250000	M	25	S	125000	-0.80253	N
519	C	250000	M	70	S	75000	1.39831	Y
520	C	250000	M	60	S	200000	1.30940	Y
521	C	250000	M	48	S	200000	-0.54021	N
522	C	250000	F	70	S	35000	-0.13432	U
523	C	250000	F	22	PS	75000	-1.06935	N
524	C	250000	F	30	PS	35000	-0.16580	Y
525	C	250000	M	31	PS	75000	1.13365	Y
526	C	250000	M	28	S	15000	-0.32557	U
527	C	250000	F	45	S	35000	-0.90844	N
528	C	250000	F	70	S	35000	-1.19739	N
529	C	250000	F	23	PS	200000	-1.18860	N
530	C	250000	M	20	PS	75000	-0.12758	U
531	C	250000	M	52	S	15000	0.29255	U
532	C	250000	M	65	PS	35000	1.58770	Y
533	C	250000	F	37	S	7500	-1.29629	N
534	C	250000	M	24	S	75000	-0.68517	N
535	C	250000	F	18	S	15000	-1.25795	N
536	C	250000	M	41	P	2500	-1.29617	N
537	C	250000	F	28	S	15000	-1.25795	N
538	C	250000	F	19	S	15000	-0.08274	Y
539	C	250000	M	21	S	35000	-0.92488	Α
540	C	250000	F	36	P	15000	-1.29617	U
541	C	8750	F	27	S	7500	0.35050	U
542	C	8750	F	40	S	15000	0.80306	Y
543	C	8750	M	25	S	35000	-0.97880	U
544	C	8750	F	69	P	7500	1.32322	Y
545	C	8750	M	70	P	200000	0.51325	Y
546	C	8750	M	39	P	2500	-0.86279	U
547	C	8750	M	70	P	7500	0.35125	U
548	C	8750	M	34	P	15000	1.58770	Y
549	C	8750	F	24	P	15000	1.12054	Y
550	C	8750	F	40	P	2500	1.22060	U
551	C	8750	M	35	P	15000	-0.21059	N
552	C	8750	F	53	P	35000	1.29609	Y
553	C	8750	M	31	S	35000	1.48693	Y
554	C	8750	M	62	P	75000	-1.14049	N
555	C	8750	F	33	S	2500	-0.81005	Α
556	C	8750	M	20	S	75000	-0.08662	N
557	C	8750	M	61	P	75000	0.08005	U
558	C	8750	F	20	PS	35000	-0.88127	N
559	C	8750	F	50	P	2500	-1.13456	N
560	C	8750	M	36	PS	35000	0.18951	<na></na>
561	C	125000	F	36	S	35000	-1.18401	N

562	C	125000	M	63	P	75000	-0.34932	Y
563	C	125000	M	59	S	125000	1.33168	Y
564	C	125000	M	25	PS	75000	-0.04547	N
565	C	125000	F	23	S	35000	0.58791	Y
566	C	125000	M	21	PS	75000	-1.14049	N
567	C	125000	F	34	S	125000	-0.87950	Α
568	C	125000	F	58	S	200000	1.21521	Y
569	C	125000	M	41	S	75000	-0.55437	N
570	C	125000	F	19	S	75000	1.01503	U
571	C	125000	F	54	P	15000	-0.54970	N
572	C	125000	F	20	P	15000	1.13325	U
573	C	125000	M	29	S	75000	-1.03701	N
574	C	125000	M	63	S	35000	-0.26969	N
575	C	125000	F	65	P	7500	-1.28897	U
576	C	125000	M	30	S	15000	-0.76805	Α
577	C	125000	F	59	P	15000	1.00672	Y
578	C	125000	F	29	S	35000	1.06426	Α
579	C	125000	M	44	P	15000	-0.13466	N
580	C	125000	F	32	S	35000	-0.18149	N
581	C	62500	F	25	P	2500	-1.29617	N
582	C	62500	F	38	S	35000	0.76091	Y
583	C	62500	M	19	S	75000	0.28186	Α
584	C	62500	F	29	P	15000	0.00293	Y
585	C	62500	M	40	P	7500	1.43009	Y
586	C	62500	M	48	S	15000	-0.09579	Y
587	C	62500	F	21	S	15000	-0.56194	Y
588	C	62500	M	27	P	15000	1.58770	Y
589	C	62500	F	66	P	35000	1.40283	Y
590	C	62500	M	36	P	7500	-1.29617	N
591	C	62500	M	38	PS	7500	-1.22503	N
592	C	62500	M	19	S	7500	-1.26325	<na></na>
593	C	62500	F	18	P	7500	1.43653	Y
594	C	62500	F	40	P	7500	-1.09176	U
595	C	62500	F	53	P	2500	-1.29617	N
596	C	62500	M	23	S	15000	-0.60929	N
597	C	62500	M	60	P	15000	1.19498	Y
598	C	62500	F	24	P	75000	0.98906	Α
599	C	62500	M	26	P	15000	0.85118	U
600	C	62500	F	53	P	15000	-1.29617	N
601	C	175000	F	39	S	35000	1.24709	Y
602	C	175000	F	19	S	15000	-0.66475	Y
603	С	175000	M	33	S	15000	-1.22285	N
604	C	175000	F	21	PS	35000	-1.29293	Α
605	С	175000	M	39	S	35000	-0.53870	A
606	C	175000	F	30	P	15000	-0.26213	U
607	C	175000	M	30	S	35000	0.75432	<na></na>

608	C	175000	M	37	S	35000	1.43793	Y
609	C	175000	F	38	P	2500	-1.21695	N
610	C	175000	F	46	P	2500	1.54808	Y
611	C	175000	M	21	S	75000	0.90752	Y
612	C	175000	F	35	S	200000	-1.00723	N
613	C	175000	F	64	S	75000	-1.27876	N
614	C	175000	M	33	PS	125000	-1.25795	N
615	C	175000	M	48	S	75000	0.73356	U
616	C	175000	F	55	P	2500	1.46184	U
617	C	175000	F	27	S	7500	-0.49793	Α
618	C	175000	M	22	S	35000	-1.05257	N
619	C	175000	M	36	S	15000	-0.65070	N
620	C	175000	M	49	P	15000	-0.13599	U
621	C	175000	M	29	PS	35000	0.64940	Α
622	C	175000	F	24	S	7500	-0.98901	N
623	C	175000	M	30	P	15000	-1.17312	N
624	C	175000	F	37	P	7500	-1.29617	<na></na>
625	C	175000	F	46	P	15000	0.97835	Y
626	C	175000	M	18	S	15000	-0.79884	N
627	C	175000	F	24	S	15000	0.26893	Α
628	C	175000	F	56	P	15000	1.51126	Y
629	C	175000	F	20	S	15000	0.75833	Y
630	C	175000	M	40	S	125000	1.38337	Y
631	C	175000	F	18	PS	15000	-1.07377	N
632	C	175000	M	31	PS	125000	0.14096	U
633	C	175000	F	36	S	35000	0.92806	U
634	C	175000	F	39	S	75000	0.51058	U
635	C	175000	M	44	S	2500	0.47079	U
636	C	175000	F	29	S	35000	1.11235	Y
637	C	175000	M	30	P	15000	-0.69377	N
638	C	175000	F	50	P	15000	-0.93468	U
639	C	175000	M	66	P	7500	0.55558	Y
640	C	175000	M	64	P	15000	0.78350	Y
641	C	15000	F	54	PS	75000	1.30775	Y
642	C	15000	F	32	P	NA	0.07811	U
643	C	15000	M	25	P	15000	-0.27405	U
644	C	15000	M	54	S	35000	0.96337	Y
645	C	15000	M	24	S	NA	0.45860	<na></na>
646	C	15000	M	18	PS	35000	-0.72698	N
647	C	15000	F	24	S	35000	0.82449	Α
648	C	15000	F	23	S	35000	1.28602	Y
649	C	15000	F	38	S	7500	0.19175	N
650	C	15000	M	36	S	15000	-1.11878	N
651	С	15000	F	33	S	35000	1.47024	Y
652	C	15000	F	37	PS	35000	1.34591	Y
653	C	15000	M	57	S	75000	-0.29196	U

654	C	15000	M	38	P	15000	-0.56775	N
655	C	15000	M	34	S	35000	-1.21974	N
656	C	15000	F	39	P	7500	1.58770	Y
657	C	15000	F	59	P	35000	0.49301	U
658	C	15000	M	29	S	15000	-1.22876	Α
659	C	15000	M	70	P	15000	1.58770	Y
660	C	15000	F	34	PS	35000	0.01279	N
661	C	15000	F	30	S	35000	1.07897	Y
662	C	15000	M	35	PS	15000	-0.97431	N
663	C	15000	F	27	S	35000	1.32855	U
664	C	15000	M	38	S	35000	1.58770	<na></na>
665	C	15000	F	45	P	7500	1.39186	<na></na>
666	C	15000	F	31	S	2500	-0.92695	N
667	C	15000	M	34	S	35000	-0.70263	N
668	C	15000	F	67	P	15000	0.94646	U
669	C	15000	M	61	P	15000	0.56632	U
670	C	15000	M	59	P	15000	-1.14049	N
671	C	15000	F	53	P	NA	1.58770	Y
672	C	15000	M	44	P	7500	0.89793	Y
673	C	15000	F	33	P	7500	1.24161	Y
674	C	15000	M	34	P	7500	-0.54032	Α
675	C	15000	M	22	P	15000	-1.22503	N
676	C	15000	F	20	S	7500	0.61719	<na></na>
677	C	15000	M	43	P	75000	1.56817	Y
678	C	15000	F	43	P	7500	1.08466	<na></na>
679	C	15000	M	26	P	15000	-0.24317	<na></na>
680	C	15000	M	68	S	2500	-1.29617	Α
681	C	15000	F	40	P	2500	0.39304	Α
682	C	15000	F	44	P	2500	0.41004	<na></na>
683	C	15000	M	55	P	15000	0.32051	U
684	C	15000	F	21	S	NA	-0.42430	U
685	C	15000	M	22	S	15000	-0.40299	N
686	C	15000	M	64	P	7500	1.33395	U
687	C	15000	M	22	S	7500	-1.29617	N
688	C	15000	M	30	P	7500	-1.29617	N
689	C	15000	F	21	S	7500	0.40932	U
690	C	15000	F	37	P	7500	1.48894	Y
691	C	15000	F	38	S	35000	1.51326	Y
692	C	15000	M	34	S	7500	-1.14579	N
693	C	15000	F	30	S	35000	-1.30485	N
694	C	15000	M	60	P	7500	0.90604	Y
695	C	15000	M	45	P	15000	0.81951	Y
696	C	15000	M	42	P	7500	1.01110	N
697	C	15000	F	60	P	35000	-0.92728	U
698	С	15000	F	22	S	35000	1.11308	Α
699	C	15000	M	23	S	7500	0.12472	U

700	С	15000	м	20	DC	15000	1 00240	M
700	C	45000	M F	35	PS P	7500	-1.02340 1.25841	N
701	C	45000	г М	54	P P	7500	0.80784	
	C							
703	C	45000 45000	F	60	P	2500	1.58770	Y
704			M	22	S	15000	1.00996	<na></na>
705	C	45000	M	28	S	7500	0.42771	<na></na>
706	C	45000	М	53	P	2500	-1.29617	N
707	C	45000	F	29	S	7500	-0.70096	<na></na>
708	C	45000	F	30	P	7500	0.97000	U
709	C	45000	F	58	P	15000	1.50846	Y
710	C	45000	M	28	S	7500	-0.63410	Y
711	C	45000	F	42	P	35000	0.19210	U
712	C	45000	M	40	PS	35000	1.44322	Y
713	C	45000	M	66	P	15000	1.29875	U
714	C	45000	M	28	S	7500	-1.01171	A
715	C	45000	F	60	P	15000	-0.62453	Y
716	C	45000	F	30	S	15000	-1.21873	N
717	C	45000	M	24	P	15000	-1.29617	N
718	C	45000	M	63	PS	75000	-0.98189	N
719	C	45000	F	25	PS	35000	1.40361	Y
720	C	45000	F	57	S	15000	-1.29617	<na></na>
721	С	25000	F	49	P	7500	-0.61200	U
722	С	25000	F	25	P	15000	0.84305	Y
723	С	25000	F	37	S	35000	0.63836	U
724	С	25000	M	19	S	75000	0.06239	N
725	С	25000	M	53	S	35000	1.33246	Y
726	С	25000	F	34	S	NA	0.34195	U
727	С	25000	F	37	S	35000	0.16682	U
728	С	25000	M	22	S	15000	NA	<na></na>
729	С	25000	M	44	S	35000	0.87593	Y
730	C	25000	M	31	S	75000	0.16466	U
731	C	25000	F	29	S	35000	0.03032	U
732	C	25000	F	21	P	7500	0.78563	Α
733	C	25000	F	58	P	7500	1.68665	Y
734	C	25000	M	22	P	15000	-1.26325	N
735	C	25000	M	68	P	2500	-0.80882	N
736	С	25000	F	47	PS	15000	-0.67532	U
737	С	25000	F	30	P	15000	1.41999	Y
738	С	25000	M	21	P	15000	-1.06433	N
739	C	25000	M	50	S	35000	0.24274	U
740	C	25000	M	38	PS	35000	-0.75159	N
741	C	87500	F	19	S	7500	-0.96542	U
742	C	87500	F	60	Р	15000	-0.16861	N
743	C	87500	M	64	P	7500	0.60565	U
744	C	87500	M	25	P	35000	0.36082	Α
745	C	87500	F	60	Р	15000	0.13270	U

746	C	87500	М	27	PS	75000	-0.73188	N
747	C	87500	М	26	PS	35000	-1.14103	N
748	C	87500	F	23	PS	35000	-0.96823	N
749	C	87500	F	60	P	35000	1.03942	Y
750	C	87500	М	52	PS	75000	-1.29617	N
751	C	87500	F	45	PS	35000	0.32782	Y
752	C	87500	F	23	P	15000	-0.52933	U
753	C	87500	F	35	PS	75000	-1.26652	<na></na>
754	C	87500	М	43	P	15000	-1.11878	N
755	C	87500	М	35	PS	75000	-1.29617	N
756	C	87500	F	22	P	2500	1.39240	Y
757	C	87500	М	22	P	15000	-0.80408	N
758	C	87500	F	51	P	2500	1.47157	Y
759	C	87500	М	42	P	15000	0.27852	U
760	C	87500	М	44	P	15000	-1.01069	U
761	C	175000	F	37	PS	35000	-1.05333	N
762	C	175000	М	28	P	15000	0.59039	<na></na>
763	C	175000	F	20	S	NA	0.31206	U
764	C	175000	М	40	PS	35000	-0.12877	N
765	C	175000	F	19	S	7500	0.13374	U
766	C	175000	F	28	S	7500	-1.11442	U
767	C	175000	М	49	P	15000	-1.19148	N
768	C	175000	М	55	P	15000	-0.55326	N
769	C	175000	М	24	P	15000	-1.25986	N
770	C	175000	F	44	S	7500	-1.15622	U
771	C	175000	М	20	S	15000	0.27435	Α
772	C	175000	F	40	PS	75000	0.79492	U
773	C	175000	F	26	S	NA	0.15754	U
774	C	175000	F	48	P	NA	1.29284	U
775	C	175000	М	49	PS	200000	-1.21834	N
776	C	175000	F	53	S	15000	1.58770	Y
777	C	175000	F	20	P	2500	1.13840	Y
778	C	175000	М	20	S	15000	0.29898	Y
779	C	175000	F	27	PS	35000	-1.18011	N
780	C	175000	М	36	PS	75000	-0.70445	N
781	C	175000	F	18	S	75000	0.98417	Α
782	C	175000	М	50	P	15000	-1.29617	N
783	C	175000	F	40	P	15000	-1.29617	N
784	C	175000	М	21	S	75000	-1.29617	N
785	C	175000	М	43	P	15000	-1.29617	N
786	C	175000	F	23	S	7500	-0.81291	Α
787	C	175000	F	39	P	7500	1.58770	Y
788	C	175000	F	64	P	NA	-1.80301	U
789	C	175000	М	54	S	35000	1.21952	U
790	C	175000	М	22	S	35000	0.74317	Y
791	C	175000	F	42	P	15000	-1.29617	N

792	C	175000	M	18	S	75000	0.90886	Α
793	C	175000	F	20	P	35000	-1.14456	N
794	C	175000	F	29	S	15000	0.91463	Y
795	C	175000	M	40	P	35000	0.78439	U
796	C	175000	F	60	P	7500	-1.15225	N
797	C	175000	F	35	P	15000	0.94640	Y
798	C	175000	M	39	P	7500	0.42314	U
799	C	175000	M	26	S	15000	-0.79157	N
800	C	175000	M	25	S	125000	1.08773	<na></na>
801	C	175000	M	19	PS	35000	0.35572	Y
802	C	175000	F	47	P	15000	-0.32176	U
803	C	175000	F	23	S	7500	-0.79890	Α
804	C	175000	F	45	P	7500	0.44717	Y
805	C	175000	M	52	P	15000	1.22444	U
806	C	175000	F	28	PS	NA	1.49096	Y
807	C	175000	F	28	PS	125000	0.06371	Y
808	C	175000	M	39	PS	200000	-0.19457	N
809	C	175000	F	41	PS	75000	1.41116	Y
810	C	175000	M	30	S	15000	-0.61942	U
811	C	175000	F	32	S	15000	-0.99973	N
812	C	175000	M	29	S	35000	-1.07308	N
813	C	175000	M	31	PS	35000	-0.71630	N
814	C	175000	M	37	PS	35000	-0.47005	<na></na>
815	C	175000	F	42	PS	35000	-1.00592	N
816	C	175000	F	25	S	15000	-0.97034	U
817	C	175000	F	58	P	7500	0.06874	U
818	C	175000	F	36	S	NA	NA	U
819	C	175000	M	28	S	75000	-0.99275	N
820	C	175000	M	40	P	15000	-0.08067	U
821	C	25000	F	29	P	7500	-0.78136	U
822	C	25000	F	54	P	7500	0.26943	U
823	C	25000	M	33	P	15000	1.17576	U
824	C	25000	F	37	P	15000	1.47615	Y
825	C	25000	M	54	P	7500	0.96198	Y
826	C	25000	M	65	P	15000	0.79963	Y
827	C	25000	F	29	S	15000	-0.39404	U
828	C	25000	M	19	S	35000	-0.73973	N
829	C	25000	M	26	PS	35000	-1.08349	N
830	C	25000	F	45	P	15000	1.56861	Y
831	C	25000	M	25	P	7500	-1.14489	<na></na>
832	C	25000	F	40	P	NA	1.12691	Y
833	C	25000	F	34	S	15000	-0.92196	U
834	C	25000	M	39	P	7500	-1.29617	N
835	C	25000	M	36	P	7500	0.80323	Y
836	C	25000	M	47	S	15000	0.29779	Y
837	C	25000	F	30	P	7500	0.24277	U

838	С	25000	F	59	P	15000	1.58770	Y
839	C	25000	M	26	PS	15000	-0.01365	U
840	C	25000	M	23	P	NA	-1.07036	N
841	С	62500	F	45	P	NA	0.15230	Y
842	C	62500	M	52	P	2500	-0.97570	N
843	С	62500	F	21	P	15000	0.63187	U
844	С	62500	M	19	PS	75000	-0.64524	N
845	С	62500	F	20	S	35000	0.81443	Y
846	С	62500	M	20	S	7500	0.71902	Y
847	С	62500	F	47	P	15000	0.35864	Y
848	С	62500	F	25	S	15000	-1.08876	N
849	С	62500	M	42	S	15000	1.09242	Y
850	C	62500	M	40	P	35000	1.43653	Y
851	С	62500	F	29	PS	75000	-0.83828	N
852	C	62500	F	58	P	15000	0.32249	Α
853	C	62500	M	40	PS	35000	-0.54836	N
854	C	62500	M	27	PS	35000	-1.25795	N
855	C	62500	F	38	S	75000	0.04945	Y
856	C	62500	F	30	S	35000	0.78044	U
857	C	62500	F	45	P	35000	-1.25861	N
858	C	62500	M	21	S	15000	0.09580	U
859	С	62500	M	25	S	35000	-1.00739	N
860	С	62500	M	50	P	15000	-0.82423	N
861	С	15000	M	28	P	7500	1.55041	U
862	С	15000	F	24	S	15000	1.21971	U
863	C	15000	F	20	S	NA	0.36649	Y
864	C	15000	F	65	S	15000	0.25733	Y
865	С	15000	M	42	S	7500	-0.82337	N
866	С	15000	F	48	P	15000	0.57449	Y
867	С	15000	F	25	P	15000	0.71863	U
868	С	15000	M	34	S	NA	NA	U
869	С	15000	M	46	S	35000	-0.25590	N
870	С	15000	M	44	P	35000	-0.25763	U
871	C	15000	M	23	Р	15000	0.41138	Α
872	С	15000	M	48	P	7500	1.00124	Y
873	С	15000	M	29	P	7500	1.28046	Y
874	С	15000	F	70	P	7500	0.75321	<na></na>
875	С	15000	F	18	P	2500	-0.76832	Y
876	С	15000	M	23	S	7500	0.02383	Y
877	С	15000	М	70	P	7500	-1.29617	N
878	С	15000	F	30	S	7500	1.31961	U
879	C	15000	F	46	P	2500	0.69169	Y
880	C	15000	M	70	Р	7500	1.36010	Y
881	C	25000	F	69	Р	7500	1.32047	Y
882	C	25000	М	56	P	7500	1.47020	Ū
883	C	25000	М	22	P	7500	1.35787	Y

884	C	25000	М	27	P	15000	1.30930	<na></na>
885	C	25000	M	34	S	15000	0.39928	U
886	C	25000	F	19	S	15000	0.90219	U
887	C	25000	F	20	P	35000	1.08088	Y
888	C	25000	M	29	S	35000	0.65511	U
889	C	25000	F	46	P	2500	0.75797	Y
890	C	25000	M	61	P	2500	1.47615	Y
891	C	25000	M	65	P	15000	0.65890	U
892	C	25000	F	41	Р	7500	1.40450	Y
893	C	25000	M	18	Р	2500	-1.22876	N
894	C	25000	M	50	Р	7500	1.45616	Y
895	C	25000	F	28	S	15000	1.55465	Y
896	C	25000	F	19	S	7500	1.50229	Y
897	C	25000	M	27	S	15000	0.58726	Α
898	C	25000	F	39	Р	7500	0.76371	U
899	C	25000	M	70	Р	7500	1.04827	U
900	C	25000	F	45	P	7500	0.40629	U
901	C	25000	F	39	P	15000	0.43968	<na></na>
902	C	25000	F	32	P	7500	1.58770	Y
903	C	25000	M	22	S	15000	-0.95379	N
904	C	25000	F	60	P	7500	1.58770	Y
905	C	25000	M	64	P	7500	1.43653	Y
906	C	25000	F	40	S	NA	1.17767	Y
907	C	25000	F	30	S	35000	0.68807	Y
908	C	25000	M	65	P	NA	1.58770	Y
909	C	25000	M	70	P	NA	1.58770	Y
910	C	25000	M	24	PS	15000	-1.19137	N
911	C	25000	F	21	Р	15000	1.33829	Y
912	C	25000	F	49	S	7500	1.35481	Y
913	C	25000	F	21	S	NA	0.53658	U
914	C	25000	M	54	P	15000	0.93380	U
915	C	25000	M	24	P	15000	-1.22258	N
916	C	25000	M	18	S	75000	-0.88064	N
917	C	25000	M	62	Р	35000	1.55678	U
918	C	25000	F	44	Р	7500	0.91033	U
919	C	25000	F	18	S	35000	0.34316	Y
920	C	25000	M	27	Р	35000	-0.02385	Y
921	S	125000	M	18	S	15000	1.29424	Y
922	S	125000	M	44	Р	2500	-1.29617	N
923	S	125000	F	31	PS	15000	-1.29617	N
924	S	125000	F	58	S	35000	-1.29617	N
925	S	125000	M	68	Р	7500	-1.29617	N
926	S	125000	F	47	Р	7500	1.54802	Y
927	S	125000	F	32	S	NA	0.92815	Y
928	S	125000	F	22	Р	7500	0.54920	Y
929	S	125000	M	40	PS	75000	1.43203	Y

930	S	125000	M	35	P	2500	1.17367	Y
931	S	125000	M	65	S	15000	1.16430	Y
932	S	125000	M	35	P	15000	0.85852	U
933	S	125000	F	18	P	7500	1.26956	Y
934	S	125000	F	66	S	15000	0.40663	Α
935	S	125000	F	22	S	7500	0.96938	Y
936	S	125000	M	23	S	15000	-0.73957	N
937	S	125000	M	60	P	2500	0.65890	U
938	S	125000	F	55	P	NA	-0.09889	<na></na>
939	S	125000	M	21	P	2500	1.25084	Y
940	S	125000	F	54	P	15000	0.69887	Y
941	S	45000	M	40	P	75000	0.46287	U
942	S	45000	F	19	S	15000	0.81279	U
943	S	45000	M	32	P	75000	0.99576	U
944	S	45000	F	54	P	75000	0.23543	U
945	S	45000	M	35	P	2500	1.00383	U
946	S	45000	F	19	PS	15000	-0.54880	U
947	S	45000	F	40	P	7500	0.66545	U
948	S	45000	M	25	P	2500	1.25306	Y
949	S	45000	M	48	S	35000	-1.29617	N
950	S	45000	M	37	PS	35000	0.19914	Y
951	S	45000	F	32	S	7500	0.21006	U
952	S	45000	F	18	S	7500	1.31037	Y
953	S	45000	M	53	PS	75000	1.48547	Y
954	S	45000	M	25	PS	35000	1.15380	Y
955	S	45000	F	45	P	2500	-0.60865	U
956	S	45000	F	54	S	7500	-0.26880	N
957	S	45000	F	60	P	75000	-0.89149	Y
958	S	45000	F	18	P	75000	-0.97181	N
959	S	45000	F	49	PS	2500	-0.86092	N
960	S	45000	M	30	P	7500	1.04754	Y
961	S	15000	M	33	P	7500	0.20483	Y
962	S	15000	F	36	P	7500	-1.26247	N
963	S	15000	M	62	P	2500	1.30792	Y
964	S	15000	F	21	S	15000	-0.78802	N
965	S	15000	M	36	P	15000	-0.72822	N
966	S	15000	F	65	P	7500	0.82519	U
967	S	15000	F	22	PS	7500	0.24983	U
968	S	15000	M	25	S	15000	-1.18323	N
969	S	15000	M	63	P	2500	1.43793	Y
970	S	15000	M	26	S	35000	-1.10367	N
971	S	15000	M	67	S	2500	-0.82983	U
972	S	15000	M	25	Р	35000	-0.40224	Α
973	S	15000	F	30	S	35000	0.24610	U
974	S	15000	F	70	Р	7500	-1.16134	U
975	S	15000	F	27	S	15000	1.40733	U

076	a	45000		07	pa	25000	0 50404	3.7
976	S	15000	М	27	PS	35000	-0.50424	N
977	S	15000	F	61	P	7500	1.14930	Y
978	S	15000	M	27	P	2500	1.09701	Y
979	S	15000	F	70	P	7500	0.86323	U
980	S	15000	M	53	S	35000	0.71448	Y
981	S	8750	M	36	P	7500	1.01880	Y
982	S	8750	M	19	P	7500	0.83115	Y
983	S	8750	M	28	S	15000	-1.00723	N
984	S	8750	F	50	P	7500	-1.08585	N
985	S	8750	F	20	P	2500	-0.96528	N
986	S	8750	M	65	P	7500	0.93522	Y
987	S	8750	F	36	P	7500	1.55399	Y
988	S	8750	M	60	S	125000	0.97823	Y
989	S	8750	F	28	S	35000	1.40361	Y
990	S	8750	M	28	S	35000	1.33246	Y
991	S	8750	F	48	S	7500	1.43732	Y
992	S	8750	M	58	P	7500	1.58770	Y
993	S	8750	F	25	S	2500	-0.93058	U
994	S	8750	M	60	P	7500	1.25541	U
995	S	8750	M	23	S	15000	-0.61822	<na></na>
996	S	8750	F	25	S	15000	0.10978	U
997	S	8750	F	19	S	35000	0.81609	Y
998	S	8750	M	23	S	75000	1.32935	Y
999	S	8750	F	59	P	15000	0.07679	U
1000	S	8750	M	37	P	15000	1.51284	N
1001	S	125000	F	37	P	15000	0.01293	Α
1002	S	125000	F	31	S	7500	0.90908	Y
1003	S	125000	M	27	P	7500	-1.14640	N
1004	S	125000	M	41	S	15000	-0.94060	N
1005	S	125000	M	37	P	15000	0.74986	Y
1006	S	125000	M	68	P	15000	0.38388	U
1007	S	125000	M	25	Р	7500	0.38980	U
1008	S	125000	M	25	P	7500	0.96249	Y
1009	S	125000	F	42	P	7500	0.40100	Y
1010	S	125000	F	23	P	2500	1.58770	Y
1011	S	125000	F	32	S	15000	1.55477	Y
1012	S	125000	M	59	S	2500	-0.69048	Y
1013	S	125000	M	28	S	15000	1.36539	Y
1014	S	125000	F	37	S	15000	-0.40457	U
1015	S	125000	F	42	P	15000	1.39692	Y
1016	S	125000	M	36	S	35000	0.16282	Y
1017	S	125000	M	26	S	35000	1.25257	Y
1018	S	125000	F	42	P	15000	0.31096	Y
1019	S	125000	F	18	S	35000	1.40361	Y
1020	S	125000	F	35	PS	35000	-0.31346	N
1021	S	25000	F	23	P	35000	-0.78492	Α

1022	S	25000	F	45	P	15000	1.27441	Y
1023	S	25000	М	20	PS	35000	-0.32020	Α
1024	S	25000	М	62	P	15000	0.99792	Y
1025	S	25000	М	50	P	35000	0.15260	Α
1026	S	25000	F	21	P	15000	1.09549	Y
1027	S	25000	F	40	P	35000	0.10905	Y
1028	S	25000	М	67	P	15000	-0.87023	U
1029	S	25000	М	19	P	35000	-0.97943	N
1030	S	25000	М	22	S	15000	-0.08141	Y
1031	S	25000	М	48	PS	15000	0.80633	Y
1032	S	25000	F	49	P	7500	0.13589	U
1033	S	25000	М	27	P	15000	-0.07280	U
1034	S	25000	F	38	S	15000	1.27567	Y
1035	S	25000	М	23	S	15000	-0.96901	N
1036	S	25000	F	47	P	7500	0.14576	Y
1037	S	25000	F	35	S	7500	1.54808	Y
1038	S	25000	М	24	S	2500	0.24455	Y
1039	S	25000	F	22	S	15000	1.43793	Y
1040	S	25000	М	54	P	7500	-0.91601	U
1041	S	25000	F	25	S	7500	1.21252	Α
1042	S	25000	М	59	P	2500	1.39241	Y
1043	S	25000	М	30	S	7500	-0.37017	Y
1044	S	25000	М	26	P	7500	1.18326	Y
1045	S	25000	F	41	S	15000	1.36173	Y
1046	S	25000	F	52	P	2500	-0.79576	U
1047	S	25000	F	21	PS	15000	-1.29617	N
1048	S	25000	М	36	P	7500	-0.04930	N
1049	S	25000	М	28	P	2500	0.13858	U
1050	S	25000	М	42	P	2500	0.12341	Y
1051	S	25000	F	22	PS	35000	-0.71250	N
1052	S	25000	F	36	S	35000	-0.03380	U
1053	S	25000	F	36	PS	35000	0.21687	U
1054	S	25000	М	57	P	7500	-0.43126	U
1055	S	25000	М	20	P	7500	0.25750	Y
1056	S	25000	F	37	P	2500	1.58770	Y
1057	S	25000	М	23	S	2500	-1.19739	N
1058	S	25000	F	24	P	2500	1.46885	Y
1059	S	25000	F	29	Р	7500	1.35870	Α
1060	S	25000	М	55	P	7500	1.47615	Y
1061	S	250000	М	48	PS	35000	0.40498	Y
1062	S	250000	F	23	S	35000	-1.29293	N
1063	S	250000	М	40	S	35000	-1.15170	N
1064	S	250000	М	20	S	35000	0.98762	Y
1065	S	250000	F	38	PS	75000	0.05047	Y
1066	S	250000	F	26	S	15000	-0.88716	N
1067	S	250000	F	49	S	15000	-1.07783	Α

1068	S	250000	M	55	S	35000	-0.16930	N
1069	S	250000	М	39	PS	75000	-0.93530	N
1070	S	250000	М	33	P	NA	-1.03486	N
1071	S	250000	F	18	S	200000	0.11608	U
1072	S	250000	F	65	P	NA	0.32554	Y
1073	S	250000	М	21	PS	75000	-0.80281	N
1074	S	250000	F	33	S	75000	-1.06320	N
1075	S	250000	М	42	PS	125000	-1.03503	N
1076	S	250000	F	24	S	35000	1.26582	Y
1077	S	250000	F	21	S	15000	-0.05113	Y
1078	S	250000	М	33	PS	15000	0.30861	<na></na>
1079	S	250000	M	52	PS	7500	0.51881	U
1080	S	250000	F	70	S	75000	1.25757	U
1081	S	250000	F	26	P	7500	0.64423	Y
1082	S	250000	F	53	P	7500	-0.07279	N
1083	S	250000	M	21	P	15000	0.53116	Y
1084	S	250000	F	34	P	15000	0.52985	U
1085	S	250000	M	60	P	35000	1.40283	Y
1086	S	250000	F	28	S	7500	-1.14049	N
1087	S	250000	F	19	S	35000	-1.09015	N
1088	S	250000	M	45	PS	35000	-0.56055	N
1089	S	250000	М	18	S	15000	-0.92939	N
1090	S	250000	F	42	P	35000	-0.15489	<na></na>
1091	S	250000	M	30	Р	15000	1.06038	<na></na>
1092	S	250000	M	21	S	15000	-0.16832	N
1093	S	250000	F	37	Р	35000	1.04304	Y
1094	S	250000	F	24	Р	7500	-0.88666	Y
1095	S	250000	М	36	PS	75000	-1.22040	N
1096	S	250000	F	39	PS	200000	-1.19438	N
1097	S	250000	F	18	PS	NA	0.37771	Y
1098	S	250000	F	40	PS	200000	1.34540	Y
1099	S	250000	М	55	PS	200000	-1.21974	N
1100	S	250000	М	22	PS	15000	-0.81078	N
1101	S	250000	М	42	S	15000	-1.03314	<na></na>
1102	S	250000	F	26	Р	7500	0.02034	U
1103	S	250000	М	25	PS	35000	1.32740	Y
1104	S	250000	F	51	S	15000	-1.03120	U
1105	S	250000	F	39	P	75000	-0.28245	N
1106	S	250000	F	39	S	15000	-1.30713	N
1107	S	250000	F	50	<na></na>	2500	-1.29617	N
1108	S	250000	М	22	PS	35000	-1.15170	N
1109	S	250000	F	21	S	35000	-1.01948	U
1110	S	250000	М	47	S	15000	-0.97273	N
1111	S	250000	F	23	S	2500	1.35949	Y
1112	S	250000	F	40	P	2500	-1.29617	
1113	S	250000	М	32	S	7500	0.43679	U
1110	D	200000	11	02	D	, 000	0.10013	U

1114	S	250000	М	29	PS	NA	0.96494	Y
1115	S	250000	М	37	S	15000	-0.48129	N
1116	S	250000	F	24	S	15000	-1.18602	N
1117	S	250000	М	18	S	NA	-1.10618	<na></na>
1118	S	250000	F	58	P	35000	0.35610	<na></na>
1119	S	250000	М	65	P	15000	-1.29617	N
1120	S	250000	F	65	P	15000	-0.22181	U
1121	S	250000	F	57	P	35000	NA	<na></na>
1122	S	250000	М	41	S	75000	-0.78299	N
1123	S	250000	М	30	PS	75000	-0.85229	<na></na>
1124	S	250000	F	22	S	15000	-0.86098	<na></na>
1125	S	250000	М	27	PS	35000	NA	U
1126	S	250000	М	22	S	15000	-0.69824	N
1127	S	250000	М	48	P	2500	-1.09862	Α
1128	S	250000	F	40	P	2500	-1.22285	N
1129	S	250000	М	29	S	NA	0.01222	U
1130	S	250000	F	24	PS	200000	0.75867	U
1131	S	250000	М	62	P	35000	-1.10181	U
1132	S	250000	F	30	S	7500	-0.72077	N
1133	S	250000	М	31	PS	15000	-1.05625	N
1134	S	250000	М	29	PS	15000	-0.08136	N
1135	S	250000	F	48	P	7500	-1.29617	N
1136	S	250000	F	53	P	2500	0.55703	Y
1137	S	250000	F	22	P	15000	-1.05197	Y
1138	S	250000	М	30	S	7500	-1.04084	N
1139	S	250000	М	43	S	15000	-1.29617	N
1140	S	250000	М	38	S	15000	-1.21232	N
1141	S	250000	F	39	S	125000	-0.43399	U
1142	S	250000	М	40	PS	75000	-1.11744	N
1143	S	250000	F	66	PS	75000	-1.04075	N
1144	S	250000	М	30	PS	75000	-1.06681	N
1145	S	250000	F	26	S	35000	1.39831	Y
1146	S	250000	F	28	S	7500	-1.00003	N
1147	S	250000	М	35	P	15000	0.34456	Y
1148	S	250000	F	46	S	2500	1.07149	U
1149	S	250000	F	19	S	35000	0.25636	Α
1150	S	250000	М	65	P	2500	-1.29617	N
1151	S	250000	М	22	S	35000	-0.29019	Y
1152	S	250000	F	53	P	2500	1.58770	Y
1153	S	250000	F	18	P	2500	0.43869	N
1154	S	250000	М	48	P	NA	-0.15992	<na></na>
1155	S	250000	М	33	S	35000	-0.97949	N
1156	S	250000	М	53	P	7500	-1.10088	N
1157	S	250000	М	33	P	15000	1.47476	Y
1158	S	250000	М	37	P	15000	-0.05639	U
1159	S	250000	F	34	P	7500	-0.90890	N

1160	S	250000	F	36	P	15000	0.47789	Y
1161	S	250000	F	36	S	7500	-0.75762	U
1162	S	250000	F	38	S	75000	-0.67253	N
1163	S	250000	М	36	S	35000	1.22715	<na></na>
1164	S	250000	М	22	S	15000	-0.88058	N
1165	S	250000	F	18	PS	35000	-1.06673	N
1166	S	250000	F	31	PS	75000	-1.07899	N
1167	S	250000	F	55	P	NA	-1.27270	U
1168	S	250000	F	70	Р	75000	NA	U
1169	S	250000	F	18	S	7500	-0.99975	N
1170	S	250000	F	36	S	15000	-0.71567	Α
1171	S	250000	М	56	PS	35000	-1.20544	N
1172	S	250000	F	70	S	35000	1.43203	N
1173	S	250000	М	29	PS	NA	-1.25656	N
1174	S	250000	F	22	PS	7500	-1.29617	N
1175	S	250000	F	40	S	35000	1.33821	<na></na>
1176	S	250000	М	45	PS	35000	-0.92947	<na></na>
1177	S	250000	М	30	P	15000	0.25023	Y
1178	S	250000	F	44	Р	7500	0.38898	Α
1179	S	250000	F	25	S	15000	0.81611	Y
1180	S	250000	F	48	P	7500	-0.11207	U
1181	S	25000	F	22	PS	15000	-1.06129	N
1182	S	25000	F	63	P	15000	-0.27926	Y
1183	S	25000	М	57	P	15000	0.74066	Y
1184	S	25000	М	22	S	35000	-1.19945	N
1185	S	25000	М	25	P	7500	-1.09176	U
1186	S	25000	F	21	S	2500	-0.80256	N
1187	S	25000	F	51	PS	35000	1.38626	Y
1188	S	25000	М	70	P	15000	-0.48681	U
1189	S	25000	М	36	PS	15000	-0.90237	N
1190	S	25000	М	25	P	15000	-0.79222	N
1191	S	25000	F	24	PS	15000	0.58929	U
1192	S	25000	М	58	S	75000	1.55477	Y
1193	S	25000	F	59	P	15000	-1.29617	N
1194	S	25000	М	28	P	7500	-1.11956	N
1195	S	25000	F	21	S	35000	-0.40754	N
1196	S	25000	М	21	PS	15000	-0.79464	N
1197	S	25000	F	38	PS	75000	-1.29617	N
1198	S	25000	М	70	Р	35000	-0.91196	U
1199	S	25000	F	60	S	15000	1.43203	Y
1200	S	25000	F	25	Р	15000	-0.76597	N
1201	S	15000	F	38	P	15000	-0.60892	U
1202	S	15000	F	24	S	7500	1.27453	U
1203	S	15000	М	20	Р	7500	-0.44311	N
1204	S	15000	М	58	Р	7500	1.46885	Y
1205	S	15000	M	58	Р	7500	1.68819	Y

1206	S	15000	F	69	S	15000	1.03459	Y
1207	S	15000	M	29	P	15000	0.32316	Y
1208	S	15000	F	34	S	35000	-0.38947	U
1209	S	15000	F	47	S	7500	-1.00879	N
1210	S	15000	F	62	P	7500	0.24454	U
1211	S	15000	F	27	S	7500	-1.00877	N
1212	S	15000	M	69	P	7500	1.58770	Y
1213	S	15000	F	70	P	7500	0.90441	Y
1214	S	15000	M	35	Р	7500	0.17868	Y
1215	S	15000	M	19	S	15000	-0.86197	N
1216	S	15000	F	37	Р	7500	1.58770	Y
1217	S	15000	F	21	S	15000	-0.99603	N
1218	S	15000	M	20	Р	7500	-0.96762	N
1219	S	15000	M	61	Р	7500	0.27293	<na></na>
1220	S	15000	M	19	S	35000	0.11796	U
1221	S	45000	M	28	S	15000	-1.14640	N
1222	S	45000	F	27	P	15000	-1.07534	<na></na>
1223	S	45000	M	41	S	35000	-0.21053	N
1224	S	45000	M	23	Р	2500	0.95611	N
1225	S	45000	F	53	Р	15000	0.13473	<na></na>
1226	S	45000	F	36	S	15000	-1.04877	N
1227	S	45000	F	27	S	7500	-1.21695	N
1228	S	45000	M	64	S	15000	-0.88369	N
1229	S	45000	M	31	S	7500	-1.04155	N
1230	S	45000	M	49	PS	7500	0.43240	Y
1231	S	45000	M	25	PS	15000	-1.29617	N
1232	S	45000	F	33	P	7500	-0.25351	N
1233	S	45000	F	22	P	15000	-0.72379	Y
1234	S	45000	M	63	P	35000	0.81197	Y
1235	S	45000	F	67	P	7500	-0.62189	N
1236	S	45000	F	26	S	7500	-1.22285	U
1237	S	45000	F	49	P	15000	-1.29617	N
1238	S	45000	M	65	S	15000	-0.51411	<na></na>
1239	S	45000	F	44	P	35000	-0.15201	<na></na>
1240	S	45000	M	30	PS	15000	-0.51062	N
1241	S	25000	F	58	P	2500	-0.93163	N
1242	S	25000	M	66	P	2500	1.48145	Y
1243	S	25000	F	37	P	7500	0.93681	U
1244	S	25000	F	28	P	7500	1.25522	Y
1245	S	25000	M	20	S	2500	0.00720	N
1246	S	25000	M	49	P	7500	1.29306	Y
1247	S	25000	F	30	S	7500	1.58770	Y
1248	S	25000	F	67	Р	15000	1.39971	Y
1249	S	25000	F	31	P	7500	1.24248	Y
1250	S	25000	M	33	S	15000	-0.20032	U
1251	S	25000	M	29	Р	2500	-1.29617	N

					_			
1252	S	25000	M	69	P	7500	1.18476	Y
1253	S	25000	F	27	S	15000	0.35728	Y
1254	S	25000	F	43	P	7500	-0.86824	
1255	S	25000	M	64	P	NA	-1.05791	Α
1256	S	25000	F	20	P	2500	1.22013	Y
1257	S	25000	F	38	P	15000	0.95449	Y
1258	S	25000	M	64	P	NA	0.34505	N
1259	S	25000	M	24	S	7500	0.36676	N
1260	S	25000	M	34	PS	15000	0.06712	Α
1261	S	8750	M	28	PS	75000	-0.18762	Α
1262	S	8750	M	70	P	7500	0.94771	U
1263	S	8750	F	38	S	15000	1.18423	Y
1264	N	8750	F	32	P	7500	1.22566	Y
1265	S	8750	M	32	S	75000	1.35949	<na></na>
1266	S	8750	F	24	P	7500	1.38957	Y
1267	S	8750	F	37	S	7500	1.33244	Y
1268	S	8750	M	50	P	7500	1.59350	Y
1269	S	8750	M	50	P	7500	1.19527	Y
1270	S	8750	M	29	P	15000	1.35218	U
1271	S	8750	M	26	S	7500	1.27280	Y
1272	S	8750	M	37	PS	7500	-1.04106	N
1273	S	8750	F	20	P	2500	1.47476	Y
1274	S	8750	F	36	P	35000	-0.98395	U
1275	S	8750	M	38	P	15000	1.50380	Y
1276	S	8750	F	26	P	7500	1.20337	Y
1277	S	8750	M	46	S	7500	1.44322	Y
1278	S	8750	F	68	P	15000	0.06376	U
1279	S	8750	F	37	P	2500	1.45600	Y
1280	S	8750	M	34	PS	75000	0.84590	U
1281	S	45000	F	46	PS	35000	1.17549	Y
1282	S	45000	M	47	S	75000	-1.22876	N
1283	S	45000	F	20	S	35000	0.24220	N
1284	S	45000	M	26	P	15000	0.67166	Y
1285	S	45000	M	19	S	75000	1.21306	Y
1286	S	45000	F	32	PS	15000	1.21501	<na></na>
1287	S	45000	F	20	S	15000	1.19375	Y
1288	S	45000	F	65	P	7500	1.58770	Y
1289	S	45000	M	45	P	7500	1.58770	Y
1290	S	45000	М	27	S	35000	0.83702	Y
1291	S	45000	F	40	PS	35000	0.91251	U
1292	S	45000	F	33	PS	15000	1.47024	Y
1293	S	45000	М	37	PS	35000	-0.26722	N
1294	S	45000	F	39	Р	NA	1.31511	Y
1295	S	45000	М	29	S	35000	-0.68978	<na></na>
1296	S	45000	М	32	P	35000	1.35260	Y
1297	S	45000	F	30	P	7500	0.07743	Α

1299	1298	S	45000	F	44	P	15000	1.13002	Y
1301 S 25000 F 58 P 7500 0.50186 N 1302 S 25000 M 35 P 15000 0.10046 U 1304 S 25000 F 45 P 7500 0.02279 A 1305 S 25000 F 45 P 7500 0.02279 Y 1306 S 25000 F 45 P 7500 1.58770 Y 1307 S 25000 F 18 P 35000 1.36539 Y 1309 S 25000 F 25 PS 35000 -1.29617 N 1310 S 25000 M 65 PS 35000 -1.29617 N 1311 S 25000 F 25 PS 35000 -1.29617 N 1311 S 25000 F 48 P 7500 0.229	1299	S	45000	F	60	P	7500	1.29953	U
1302 S 25000 M 35 P 15000 0.10046 U 1303 S 25000 M 47 S 35000 1.47615 Y 1304 S 25000 F 45 P 7500 0.02279 A 1305 S 25000 F 20 S NA 1.27928 Y 1306 S 25000 F 45 P 7500 1.58770 Y 1307 S 25000 F 18 PS 35000 1.36539 Y 1309 S 25000 F 25 PS 35000 -1.29617 N 1310 S 25000 M 65 PS 35000 -1.297617 N 1311 S 25000 M 66 P 7500 0.22900 N 1311 S 25000 M 59 P 15000 -0.276	1300	S	45000	М	37	S	15000	-1.15543	Α
1303 S 25000 M 47 S 35000 1.47615 Y 1304 S 25000 F 45 P 7500 0.02279 A 1305 S 25000 F 20 S NA 1.27928 Y 1306 S 25000 F 45 P 7500 1.58770 Y 1307 S 25000 M 21 S 15000 1.36539 Y 1308 S 25000 F 18 PS 35000 1.36539 Y 1309 S 25000 F 25 PS 35000 -1.29617 N 1310 S 25000 M 56 PS 35000 -1.29617 N 1311 S 25000 M 56 PS 35000 -1.29617 N 1311 S 25000 M 59 P 15000 -0.2	1301	S	25000	F	58	P	7500	0.50186	N
1304 S 25000 F 45 P 7500 0.02279 A 1305 S 25000 F 20 S NA 1.27928 Y 1306 S 25000 F 45 P 7500 1.58770 Y 1307 S 25000 M 21 S 15000 1.08435 Y 1308 S 25000 F 18 PS 35000 -1.29617 N 1309 S 25000 F 25 PS 35000 -1.22876 N 1310 S 25000 M 65 PS 35000 -1.22876 N 1311 S 25000 M 56 P 7500 0.22900 N 1311 S 25000 M 59 P 15000 -0.27660 Y 1314 S 25000 M 59 P 15000 -0.27	1302	S	25000	М	35	P	15000	0.10046	U
1305 S 25000 F 20 S NA 1.27928 Y 1306 S 25000 F 45 P 7500 1.58770 Y 1307 S 25000 F 18 PS 35000 1.36539 Y 1309 S 25000 F 25 PS 35000 -1.29617 N 1310 S 25000 M 65 PS 35000 -1.22876 N 1311 S 25000 M 66 PS 35000 -1.22876 N 1311 S 25000 M 56 P 7500 0.22900 N 1311 S 25000 M 59 P 15000 -0.27660 Y 1314 S 25000 M 19 S 15000 -0.28181 N 1315 S 25000 M 38 S 35000 -0	1303	S	25000	М	47	S	35000	1.47615	Y
1306 S 25000 F 45 P 7500 1.58770 Y 1307 S 25000 M 21 S 15000 1.08435 Y 1308 S 25000 F 18 PS 35000 1.36539 Y 1310 S 25000 M 65 PS 35000 -1.22876 N 1311 S 25000 M 65 PS 35000 -1.22876 N 1311 S 25000 M 56 P 7500 0.22900 N 1313 S 25000 M 59 P 15000 -0.27660 Y 1314 S 25000 M 59 P 15000 -0.27660 Y 1315 S 25000 M 38 S 35000 -0.27658 Y 1316 S 25000 M 38 S 35000	1304	S	25000	F	45	P	7500	0.02279	Α
1307 S 25000 M 21 S 15000 1.08435 Y 1308 S 25000 F 18 PS 35000 1.36539 Y 1309 S 25000 F 25 PS 35000 -1.22876 N 1310 S 25000 M 65 PS 35000 -1.22876 N 1311 S 25000 M 56 P 7500 0.22900 N 1312 S 25000 M 59 P 15000 -0.27660 Y 1314 S 25000 M 59 P 15000 -0.27658 Y 1315 S 25000 M 19 S 15000 -0.27658 Y 1314 S 25000 M 19 S 15000 -0.27658 Y 1318 S 25000 M 27 P 7500 <td< td=""><td>1305</td><td>S</td><td>25000</td><td>F</td><td>20</td><td>S</td><td>NA</td><td>1.27928</td><td>Y</td></td<>	1305	S	25000	F	20	S	NA	1.27928	Y
1308 S 25000 F 18 PS 35000 1.36539 Y 1309 S 25000 F 25 PS 35000 -1.29617 N 1310 S 25000 M 65 PS 35000 -1.22876 N 1311 S 25000 M 56 P 7500 0.22900 N 1313 S 25000 M 56 P 7500 0.22900 N 1314 S 25000 M 59 P 15000 -0.27668 Y 1315 S 25000 M 19 S 15000 1.29798 Y 1316 S 25000 M 38 S 35000 -0.28181 N 1317 S 25000 F 48 P 7500 0.36525 Y 1318 S 25000 F 18 P 7500 -1.	1306	S	25000	F	45	P	7500	1.58770	Y
1309 S 25000 F 25 PS 35000 -1.29617 N 1310 S 25000 M 65 PS 35000 -1.22876 N 1311 S 25000 F 47 P 2500 1.58770 Y 1312 S 25000 M 56 P 7500 0.22900 N 1313 S 25000 M 59 P 15000 -0.27668 Y 1314 S 25000 M 19 S 15000 1.29798 Y 1315 S 25000 M 19 S 15000 1.29798 Y 1316 S 25000 M 38 S 35000 -0.28181 N 1317 S 25000 F 48 P 7500 0.36525 Y 1318 S 25000 F 18 P 7500 1.47	1307	S	25000	М	21	S	15000	1.08435	Y
1310 S 25000 M 65 PS 35000 -1.22876 N 1311 S 25000 F 47 P 2500 1.58770 Y 1312 S 25000 M 56 P 7500 0.22900 N 1313 S 25000 M 59 P 15000 -0.27660 Y 1314 S 25000 F 23 P 7500 0.27658 Y 1315 S 25000 M 19 S 15000 1.29798 Y 1316 S 25000 M 19 S 15000 -0.28181 N 1317 S 25000 F 48 P 7500 0.36525 Y 1318 S 25000 F 18 P 7500 0.36525 Y 1318 S 25000 F 18 P 7500 0.36525<	1308	S	25000	F	18	PS	35000	1.36539	Y
1311 S 25000 F 47 P 2500 1.58770 Y 1312 S 25000 M 56 P 7500 0.22900 N 1313 S 25000 M 59 P 15000 -0.27660 Y 1314 S 25000 M 19 S 15000 1.29798 Y 1315 S 25000 M 19 S 15000 1.29798 Y 1316 S 25000 M 38 S 35000 -0.28181 N 1317 S 25000 F 48 P 7500 0.36525 Y 1318 S 25000 F 18 P 7500 0.47024 Y 1318 S 25000 F 18 P 7500 0.95080 Y 1319 S 25000 M 26 P 7500 0.95080 <td>1309</td> <td>S</td> <td>25000</td> <td>F</td> <td>25</td> <td>PS</td> <td></td> <td>-1.29617</td> <td>N</td>	1309	S	25000	F	25	PS		-1.29617	N
1312 S 25000 M 56 P 7500 0.22900 N 1313 S 25000 M 59 P 15000 -0.27660 Y 1314 S 25000 F 23 P 7500 0.27658 Y 1315 S 25000 M 19 S 15000 1.29798 Y 1316 S 25000 M 38 S 35000 -0.28181 N 1317 S 25000 F 48 P 7500 0.36525 Y 1318 S 25000 M 27 P 7500 0.36525 Y 1319 S 25000 M 26 P 7500 0.95080 Y 1320 S 25000 M 24 P 15000 -1.15693 N 1321 S 25000 M 29 S 15000 -0.33243	1310	S	25000	М	65	PS	35000	-1.22876	N
1313 S 25000 M 59 P 15000 -0.27660 Y 1314 S 25000 F 23 P 7500 0.27658 Y 1315 S 25000 M 19 S 15000 1.29798 Y 1316 S 25000 M 38 S 35000 -0.28181 N 1317 S 25000 F 48 P 7500 0.36525 Y 1318 S 25000 M 27 P 7500 0.36525 Y 1319 S 25000 M 27 P 7500 0.36525 Y 1319 S 25000 M 26 P 7500 0.95080 Y 1320 S 25000 M 29 S 15000 -1.15693 N 1321 S 25000 F 58 P 7500 1.29012 </td <td>1311</td> <td></td> <td>25000</td> <td>F</td> <td>47</td> <td>P</td> <td>2500</td> <td>1.58770</td> <td>Y</td>	1311		25000	F	47	P	2500	1.58770	Y
1314 S 25000 F 23 P 7500 0.27658 Y 1315 S 25000 M 19 S 15000 1.29798 Y 1316 S 25000 M 38 S 35000 -0.28181 N 1317 S 25000 F 48 P 7500 0.36525 Y 1318 S 25000 M 27 P 7500 0.36525 Y 1318 S 25000 M 26 P 7500 1.47024 Y 1319 S 25000 M 26 P 7500 -1.29617 N 1320 S 25000 M 26 P 7500 0.95080 Y 1321 S 25000 M 29 S 15000 -1.15693 N 1322 S 25000 F 58 P 7500 1.29012 <td>1312</td> <td></td> <td>25000</td> <td>М</td> <td>56</td> <td>P</td> <td>7500</td> <td>0.22900</td> <td>N</td>	1312		25000	М	56	P	7500	0.22900	N
1315 S 25000 M 19 S 15000 1.29798 Y 1316 S 25000 M 38 S 35000 -0.28181 N 1317 S 25000 F 48 P 7500 0.36525 Y 1318 S 25000 M 27 P 7500 0.36525 Y 1319 S 25000 M 27 P 7500 1.47024 Y 1320 S 25000 M 26 P 7500 0.95080 Y 1321 S 25000 M 24 P 15000 -1.15693 N 1322 S 25000 M 29 S 15000 -0.33243 N 1323 S 25000 F 58 P 7500 1.29012 Y 1324 S 25000 F 58 P 7500 1.5044 <td>1313</td> <td></td> <td>25000</td> <td>М</td> <td></td> <td></td> <td>15000</td> <td>-0.27660</td> <td>Y</td>	1313		25000	М			15000	-0.27660	Y
1316 S 25000 M 38 S 35000 -0.28181 N 1317 S 25000 F 48 P 7500 0.36525 Y 1318 S 25000 M 27 P 7500 1.47024 Y 1319 S 25000 M 26 P 7500 -1.29617 N 1320 S 25000 M 26 P 7500 0.95080 Y 1321 S 25000 M 24 P 15000 -1.15693 N 1322 S 25000 M 29 S 15000 -0.33243 N 1323 S 25000 F 33 P 7500 1.29012 Y 1324 S 25000 F 58 P 7500 NA Y 1325 S 25000 M 36 S 15000 1.50846	1314			F	23		7500	0.27658	Y
1317 S 25000 F 48 P 7500 0.36525 Y 1318 S 25000 M 27 P 7500 1.47024 Y 1319 S 25000 F 18 P 7500 -1.29617 N 1320 S 25000 M 26 P 7500 0.95080 Y 1321 S 25000 M 24 P 15000 -1.15693 N 1322 S 25000 M 29 S 15000 -0.33243 N 1323 S 25000 F 33 P 7500 1.29012 Y 1324 S 25000 F 58 P 7500 NA Y 1325 S 25000 M 36 S 15000 1.50846 Y 1326 S 25000 M 35 S 35000 1.00996	1315		25000	М			15000	1.29798	Y
1318 S 25000 M 27 P 7500 1.47024 Y 1319 S 25000 F 18 P 7500 -1.29617 N 1320 S 25000 M 26 P 7500 0.95080 Y 1321 S 25000 M 24 P 15000 -1.15693 N 1322 S 25000 M 29 S 15000 -0.33243 N 1323 S 25000 F 33 P 7500 1.29012 Y 1324 S 25000 F 58 P 7500 NA Y 1325 S 25000 M 36 S 15000 1.50846 Y 1326 S 25000 M 35 S 35000 -1.21695 N 1328 S 25000 F 24 S 35000 -0.26866 <td>1316</td> <td></td> <td>25000</td> <td>М</td> <td></td> <td></td> <td>35000</td> <td>-0.28181</td> <td>N</td>	1316		25000	М			35000	-0.28181	N
1319 S 25000 F 18 P 7500 -1.29617 N 1320 S 25000 M 26 P 7500 0.95080 Y 1321 S 25000 M 24 P 15000 -1.15693 N 1322 S 25000 M 29 S 15000 -0.33243 N 1323 S 25000 F 33 P 7500 1.29012 Y 1324 S 25000 F 58 P 7500 NA Y 1325 S 25000 F 58 P 7500 NA Y 1326 S 25000 M 36 S 15000 1.50846 Y 1327 S 25000 F 54 S 35000 1.21695 N 1328 S 25000 F 20 S 35000 0.41846	1317		25000	F			7500		Y
1320 S 25000 M 26 P 7500 0.95080 Y 1321 S 25000 M 24 P 15000 -1.15693 N 1322 S 25000 M 29 S 15000 -0.33243 N 1323 S 25000 F 33 P 7500 1.29012 Y 1324 S 25000 F 58 P 7500 1.29012 Y 1324 S 25000 F 58 P 7500 1.29012 Y 1324 S 25000 F 58 P 7500 1.29012 Y 1325 S 25000 M 36 S 15000 1.50846 Y 1326 S 25000 M 35 S 35000 -1.21695 N 1327 S 25000 F 20 S 35000 -1.21695	1318		25000	М			7500		Y
1321 S 25000 M 24 P 15000 -1.15693 N 1322 S 25000 M 29 S 15000 -0.33243 N 1323 S 25000 F 33 P 7500 1.29012 Y 1324 S 25000 F 58 P 7500 NA Y 1325 S 25000 M 36 S 15000 1.50846 Y 1326 S 25000 M 35 S 35000 1.00996 Y 1327 S 25000 F 54 S 35000 1.21695 N 1328 S 25000 F 54 S 35000 0.41846 U 1329 S 25000 F 20 S 35000 0.41846 U 1329 S 25000 F 24 S 35000 0.41846 U 1331 S 25000 F 24 P 2500	1319		25000	F			7500	-1.29617	N
1322 S 25000 M 29 S 15000 -0.33243 N 1323 S 25000 F 33 P 7500 1.29012 Y 1324 S 25000 F 58 P 7500 NA Y 1325 S 25000 M 36 S 15000 1.50846 Y 1326 S 25000 M 35 S 35000 1.00996 Y 1327 S 25000 F 54 S 35000 -1.21695 N 1328 S 25000 F 20 S 35000 0.41846 U 1329 S 25000 M 46 S 75000 1.48735 Y 1330 S 25000 F 24 S 35000 -0.26866 N 1331 S 25000 F 24 P 2500 0.90932 <td>1320</td> <td></td> <td>25000</td> <td>М</td> <td></td> <td>P</td> <td>7500</td> <td></td> <td>Y</td>	1320		25000	М		P	7500		Y
1323 S 25000 F 33 P 7500 1.29012 Y 1324 S 25000 F 58 P 7500 NA Y 1325 S 25000 M 36 S 15000 1.50846 Y 1326 S 25000 M 35 S 35000 1.00996 Y 1327 S 25000 F 54 S 35000 -1.21695 N 1328 S 25000 F 54 S 35000 -1.21695 N 1329 S 25000 F 20 S 35000 0.41846 U 1329 S 25000 F 24 S 35000 -0.26866 N 1331 S 25000 F 24 P 2500 0.90932 Y 1332 S 25000 M 41 S 35000 -0.08054 <td>1321</td> <td></td> <td>25000</td> <td>М</td> <td></td> <td></td> <td>15000</td> <td></td> <td>N</td>	1321		25000	М			15000		N
1324 S 25000 F 58 P 7500 NA Y 1325 S 25000 M 36 S 15000 1.50846 Y 1326 S 25000 M 35 S 35000 1.00996 Y 1327 S 25000 F 54 S 35000 -1.21695 N 1328 S 25000 F 20 S 35000 -1.21695 N 1329 S 25000 M 46 S 75000 1.48735 Y 1330 S 25000 F 24 S 35000 -0.26866 N 1331 S 25000 F 24 P 2500 0.90932 Y 1332 S 25000 M 41 S 35000 -0.08054 Y 1333 S 25000 M 48 P 15000 -0.70898<				М					N
1325 S 25000 M 36 S 15000 1.50846 Y 1326 S 25000 M 35 S 35000 1.00996 Y 1327 S 25000 F 54 S 35000 -1.21695 N 1328 S 25000 F 20 S 35000 -1.48735 Y 1329 S 25000 M 46 S 75000 1.48735 Y 1330 S 25000 F 24 S 35000 -0.26866 N 1331 S 25000 F 24 P 2500 0.90932 Y 1332 S 25000 M 20 PS 35000 -0.08054 Y 1333 S 25000 M 41 S 35000 -0.08054 Y 1334 S 25000 M 48 P 15000 -				F			7500	1.29012	
1326 S 25000 M 35 S 35000 1.00996 Y 1327 S 25000 F 54 S 35000 -1.21695 N 1328 S 25000 F 20 S 35000 0.41846 U 1329 S 25000 M 46 S 75000 1.48735 Y 1330 S 25000 F 24 S 35000 -0.26866 N 1331 S 25000 F 24 P 2500 0.90932 Y 1332 S 25000 F 24 P 2500 0.90932 Y 1333 S 25000 M 20 PS 35000 -0.08054 Y 1334 S 25000 M 41 S 35000 -0.70898 N 1335 S 25000 F 50 P 35000 0.14576 U 1336 S 25000 F 34 P 75				F			7500		
1327 S 25000 F 54 S 35000 -1.21695 N 1328 S 25000 F 20 S 35000 0.41846 U 1329 S 25000 M 46 S 75000 1.48735 Y 1330 S 25000 F 24 S 35000 -0.26866 N 1331 S 25000 F 24 P 2500 0.90932 Y 1332 S 25000 M 20 PS 35000 -0.08054 Y 1333 S 25000 M 41 S 35000 -0.08054 Y 1334 S 25000 M 48 P 15000 -0.70898 N 1335 S 25000 F 50 P 35000 0.14576 U 1336 S 25000 F 34 P 7500 1.							15000		
1328 S 25000 F 20 S 35000 0.41846 U 1329 S 25000 M 46 S 75000 1.48735 Y 1330 S 25000 F 24 S 35000 -0.26866 N 1331 S 25000 F 24 P 2500 0.90932 Y 1332 S 25000 M 20 PS 35000 -0.08054 Y 1333 S 25000 M 41 S 35000 -0.08054 Y 1334 S 25000 M 41 S 35000 -0.82505 Y 1334 S 25000 M 48 P 15000 -0.70898 N 1335 S 25000 F 50 P 35000 0.14576 U 1336 S 25000 F 34 P 7500 1.				М			35000		Y
1329 S 25000 M 46 S 75000 1.48735 Y 1330 S 25000 F 24 S 35000 -0.26866 N 1331 S 25000 F 24 P 2500 0.90932 Y 1332 S 25000 M 20 PS 35000 -0.08054 Y 1333 S 25000 M 41 S 35000 -0.08054 Y 1334 S 25000 M 41 S 35000 -0.08054 Y 1335 S 25000 M 48 P 15000 -0.70898 N 1336 S 25000 F 50 P 35000 0.14576 U 1337 S 25000 F 34 P 7500 1.26410 Y 1338 S 25000 M 43 P 15000 0.97998 Y 1340 S 25000 F 36 P 7									
1330 S 25000 F 24 S 35000 -0.26866 N 1331 S 25000 F 24 P 2500 0.90932 Y 1332 S 25000 M 20 PS 35000 -0.08054 Y 1333 S 25000 M 41 S 35000 0.82505 Y 1334 S 25000 M 48 P 15000 -0.70898 N 1335 S 25000 F 50 P 35000 0.14576 U 1336 S 25000 F 34 P 7500 1.26410 Y 1337 S 25000 F 34 P 15000 0.97998 Y 1338 S 25000 M 18 S 7500 -0.85414 N 1339 S 25000 F 36 P 7500 -0.35				F	20		35000	0.41846	U
1331 S 25000 F 24 P 2500 0.90932 Y 1332 S 25000 M 20 PS 35000 -0.08054 Y 1333 S 25000 M 41 S 35000 0.82505 Y 1334 S 25000 M 48 P 15000 -0.70898 N 1335 S 25000 F 50 P 35000 0.14576 U 1336 S 25000 F 34 P 7500 1.26410 Y 1337 S 25000 M 43 P 15000 0.97998 Y 1338 S 25000 M 18 S 7500 -0.85414 N 1339 S 25000 F 36 P 7500 1.58486 Y 1340 S 250000 F 57 P 7500 -0.351				М			75000		Y
1332 S 25000 M 20 PS 35000 -0.08054 Y 1333 S 25000 M 41 S 35000 0.82505 Y 1334 S 25000 M 48 P 15000 -0.70898 N 1335 S 25000 F 50 P 35000 0.14576 U 1336 S 25000 F 34 P 7500 1.26410 Y 1337 S 25000 M 43 P 15000 0.97998 Y 1338 S 25000 M 18 S 7500 -0.85414 N 1339 S 25000 F 36 P 7500 1.58486 Y 1340 S 25000 F 57 P 7500 -0.35168 N 1341 S 250000 M 21 PS 7500 0.62396 A 1342 S 250000 M 36 PS 7									
1333 S 25000 M 41 S 35000 0.82505 Y 1334 S 25000 M 48 P 15000 -0.70898 N 1335 S 25000 F 50 P 35000 0.14576 U 1336 S 25000 F 34 P 7500 1.26410 Y 1337 S 25000 M 43 P 15000 0.97998 Y 1338 S 25000 M 18 S 7500 -0.85414 N 1339 S 25000 F 36 P 7500 1.58486 Y 1340 S 25000 F 57 P 7500 -0.35168 N 1341 S 250000 M 21 PS 7500 0.62396 A 1342 S 250000 M 36 PS 75000 1.43									
1334 S 25000 M 48 P 15000 -0.70898 N 1335 S 25000 F 50 P 35000 0.14576 U 1336 S 25000 F 34 P 7500 1.26410 Y 1337 S 25000 M 43 P 15000 0.97998 Y 1338 S 25000 M 18 S 7500 -0.85414 N 1339 S 25000 F 36 P 7500 1.58486 Y 1340 S 250000 F 57 P 7500 -0.35168 N 1341 S 250000 M 21 PS 7500 0.62396 A 1342 S 250000 M 36 PS 75000 1.43653 Y			25000	М					
1335 S 25000 F 50 P 35000 0.14576 U 1336 S 25000 F 34 P 7500 1.26410 Y 1337 S 25000 M 43 P 15000 0.97998 Y 1338 S 25000 M 18 S 7500 -0.85414 N 1339 S 25000 F 36 P 7500 1.58486 Y 1340 S 250000 F 57 P 7500 -0.35168 N 1341 S 250000 M 21 PS 7500 0.62396 A 1342 S 250000 M 36 PS 75000 1.43653 Y									
1336 S 25000 F 34 P 7500 1.26410 Y 1337 S 25000 M 43 P 15000 0.97998 Y 1338 S 25000 M 18 S 7500 -0.85414 N 1339 S 25000 F 36 P 7500 1.58486 Y 1340 S 250000 F 57 P 7500 -0.35168 N 1341 S 250000 M 21 PS 7500 0.62396 A 1342 S 250000 M 36 PS 75000 1.43653 Y									
1337 S 25000 M 43 P 15000 0.97998 Y 1338 S 25000 M 18 S 7500 -0.85414 N 1339 S 25000 F 36 P 7500 1.58486 Y 1340 S 25000 F 57 P 7500 -0.35168 N 1341 S 250000 M 21 PS 7500 0.62396 A 1342 S 250000 M 36 PS 75000 1.43653 Y									
1338 S 25000 M 18 S 7500 -0.85414 N 1339 S 25000 F 36 P 7500 1.58486 Y 1340 S 25000 F 57 P 7500 -0.35168 N 1341 S 250000 M 21 PS 7500 0.62396 A 1342 S 250000 M 36 PS 75000 1.43653 Y			25000	F		P			Y
1339 S 25000 F 36 P 7500 1.58486 Y 1340 S 25000 F 57 P 7500 -0.35168 N 1341 S 250000 M 21 PS 7500 0.62396 A 1342 S 250000 M 36 PS 75000 1.43653 Y	1337		25000	М					Y
1340 S 25000 F 57 P 7500 -0.35168 N 1341 S 250000 M 21 PS 7500 0.62396 A 1342 S 250000 M 36 PS 75000 1.43653 Y									
1341 S 250000 M 21 PS 7500 0.62396 A 1342 S 250000 M 36 PS 75000 1.43653 Y									Y
1342 S 250000 M 36 PS 75000 1.43653 Y									
1343 S 250000 F 43 P 7500 -0.20299 Y									
	1343	S	250000	F	43	Р	7500	-0.20299	Y

1345 S 250000 F 33	1344	S	250000	F	30	S	35000	-0.82983	U
1347	1345	S	250000	F	33	S	15000	0.32316	U
1348	1346	S	250000	F	38	P	15000	-0.44442	N
1349	1347	S	250000	M	28	S	15000	-0.07212	U
1350	1348	S	250000	F	36	S	15000	0.91548	U
1351	1349	S	250000	F	22	S	35000	0.32842	Y
1352 S 250000 M 29 S 75000 -1.08646 N 1353 S 250000 F 31 S 75000 0.18242 U 1354 S 250000 F 38 S 35000 -1.29617 N 1355 S 250000 M 56 S 35000 -1.29617 N 1357 S 250000 M 48 P 35000 -0.93647 U 1358 S 250000 F 29 PS 200000 -1.29617 N 1359 S 250000 F 29 PS 20000 -0.122285 N 1360 S 250000 F 32 PS 75000 -1.22285 N 1361 S 250000 F 57 S 35000 0.27836 U 1363 S 250000 F 39 P 7500 <td>1350</td> <td>S</td> <td>250000</td> <td>M</td> <td>36</td> <td>S</td> <td>35000</td> <td>1.12564</td> <td>Y</td>	1350	S	250000	M	36	S	35000	1.12564	Y
1353 S 250000 F 31 S 75000 0.18242 U 1354 S 250000 M 45 S 75000 1.01395 Y 1355 S 250000 F 38 S 35000 -1.29617 N 1356 S 250000 M 56 S 35000 -0.93647 U 1357 S 250000 M 48 P 35000 0.11316 Y 1358 S 250000 F 29 PS 200000 -1.29617 N 1360 S 250000 F 49 S 125000 0.06119 Y 1361 S 250000 F 32 PS 75000 1.01661 Y 1362 S 250000 F 57 S 35000 0.27836 U 1363 S 250000 F 52 P 15000	1351	S	250000	F	32	PS	35000	0.20020	Α
1354 S 250000 M 45 S 75000 1.01395 Y 1355 S 250000 F 38 S 35000 -1.29617 N 1356 S 250000 M 48 P 35000 -0.93647 U 1357 S 250000 M 48 P 35000 -0.129617 N 1358 S 250000 F 49 S 125000 -1.29285 N 1360 S 250000 M 18 S 75000 -1.22285 N 1361 S 250000 F 32 PS 75000 -0.122285 N 1363 S 250000 F 57 S 35000 0.27836 U 1364 S 250000 F 57 S 35000 -0.55281 N 1365 S 250000 M 65 PS 35000 </td <td>1352</td> <td>S</td> <td>250000</td> <td>M</td> <td>29</td> <td>S</td> <td>75000</td> <td>-1.08646</td> <td>N</td>	1352	S	250000	M	29	S	75000	-1.08646	N
1355 S 250000 F 38 S 35000 -1.29617 N 1356 S 250000 M 56 S 35000 -0.93647 U 1357 S 250000 M 48 P 35000 0.11316 Y 1358 S 250000 F 29 PS 200000 -1.29617 N 1359 S 250000 F 29 PS 200000 -1.22285 N 1360 S 250000 F 32 PS 75000 -1.22285 N 1361 S 250000 F 32 PS 75000 -1.01661 Y 1362 S 250000 F 39 P 75000 -0.55281 N 1363 S 250000 M 25 S 15000 -0.48886 U 1365 S 250000 M 25 P 15000	1353	S	250000	F	31	S	75000	0.18242	U
1356 S 250000 M 56 S 35000 -0.93647 U 1357 S 250000 M 48 P 35000 0.11316 Y 1358 S 250000 F 29 PS 200000 -1.29617 N 1359 S 250000 F 49 S 125000 0.06119 Y 1360 S 250000 F 49 S 125000 -1.22285 N 1361 S 250000 F 32 PS 75000 1.01661 Y 1362 S 250000 F 39 P 7500 -0.55281 N 1363 S 250000 M 25 S 15000 -0.48886 U 1365 S 250000 M 65 PS 35000 -1.23032 N 1366 S 250000 M 64 P 7500 <td>1354</td> <td>S</td> <td>250000</td> <td>M</td> <td>45</td> <td>S</td> <td>75000</td> <td>1.01395</td> <td>Y</td>	1354	S	250000	M	45	S	75000	1.01395	Y
1357 S 250000 M 48 P 35000 0.11316 Y 1358 S 250000 F 29 PS 200000 -1.29617 N 1359 S 250000 F 49 S 125000 0.06119 Y 1360 S 250000 M 18 S 75000 -1.22285 N 1361 S 250000 F 32 PS 75000 -1.01661 Y 1362 S 250000 F 39 P 75000 -0.55281 N 1363 S 250000 F 39 P 7500 -0.48886 U 1365 S 250000 M 65 PS 35000 -1.23032 N 1366 S 250000 F 52 P 15000 -0.87337 N 1367 S 250000 F 38 S 2500 <td>1355</td> <td>S</td> <td>250000</td> <td>F</td> <td>38</td> <td>S</td> <td>35000</td> <td>-1.29617</td> <td>N</td>	1355	S	250000	F	38	S	35000	-1.29617	N
1358 S 250000 F 29 PS 200000 -1.29617 N 1359 S 250000 F 49 S 125000 0.06119 Y 1360 S 250000 F 49 S 125000 -1.22285 N 1361 S 250000 F 32 PS 75000 1.01661 Y 1362 S 250000 F 57 S 35000 0.27836 U 1363 S 250000 M 25 S 15000 -0.55281 N 1364 S 250000 M 65 PS 35000 -1.23032 N 1365 S 250000 M 65 PS 35000 -1.23032 N 1366 S 250000 M 64 P 7500 -1.12468 N 1367 S 250000 F 38 S 2500 0.47106	1356		250000	M	56	S	35000	-0.93647	U
1359 S 250000 F 49 S 125000 0.06119 Y 1360 S 250000 M 18 S 75000 −1.22285 N 1361 S 250000 F 32 PS 75000 1.01661 Y 1362 S 250000 F 57 S 35000 0.27836 U 1363 S 250000 F 39 P 7500 −0.55281 N 1364 S 250000 M 25 S 15000 −0.48886 U 1365 S 250000 M 65 PS 35000 −1.23032 N 1366 S 250000 F 52 P 15000 −0.87337 N 1367 S 250000 F 38 S 2500 −1.12468 N 1368 S 250000 F 38 S 2500 −1.47106 U 1370 S 250000 F 35 P </td <td>1357</td> <td></td> <td>250000</td> <td>M</td> <td>48</td> <td>P</td> <td>35000</td> <td>0.11316</td> <td>Y</td>	1357		250000	M	48	P	35000	0.11316	Y
1360 S 250000 M 18 S 75000 -1.22285 N 1361 S 250000 F 32 PS 75000 1.01661 Y 1362 S 250000 F 57 S 35000 0.27836 U 1363 S 250000 F 57 S 35000 0.27836 U 1364 S 250000 M 25 S 15000 -0.48886 U 1365 S 250000 M 65 PS 35000 -1.23032 N 1366 S 250000 F 52 P 15000 -0.87337 N 1367 S 250000 M 64 P 7500 -1.12468 N 1368 S 250000 F 38 S 2500 0.47106 U 1379 S 250000 F 35 P 35000	1358		250000	F	29	PS	200000	-1.29617	N
1361 S 250000 F 32 PS 75000 1.01661 Y 1362 S 250000 F 57 S 35000 0.27836 U 1363 S 250000 F 39 P 7500 -0.55281 N 1364 S 250000 M 65 PS 35000 -0.48886 U 1365 S 250000 M 65 PS 35000 -1.23032 N 1366 S 250000 F 52 P 15000 -0.87337 N 1367 S 250000 F 52 P 15000 -0.87337 N 1368 S 250000 F 38 S 2500 0.47106 U 1369 S 250000 F 35 P 35000 0.65343 U 1370 S 250000 F 35 P 35000 0.668757 N 1371 S 250000 F 21 S <td></td> <td></td> <td>250000</td> <td>F</td> <td>49</td> <td></td> <td>125000</td> <td></td> <td>Y</td>			250000	F	49		125000		Y
1362 S 250000 F 57 S 35000 0.27836 U 1363 S 250000 F 39 P 7500 -0.55281 N 1364 S 250000 M 25 S 15000 -0.48886 U 1365 S 250000 M 65 PS 35000 -1.23032 N 1366 S 250000 F 52 P 15000 -0.87337 N 1367 S 250000 M 64 P 7500 -1.12468 N 1368 S 250000 F 38 S 2500 0.47106 U 1369 S 250000 F 38 S 2500 0.47106 U 1370 S 250000 F 35 P 35000 0.65343 U 1371 S 250000 F 40 P 7500 -0.68757 N 1372 S 250000 F 21 S	1360		250000	M		S	75000	-1.22285	N
1363 S 250000 F 39 P 7500 -0.55281 N 1364 S 250000 M 25 S 15000 -0.48886 U 1365 S 250000 M 65 PS 35000 -1.23032 N 1366 S 250000 F 52 P 15000 -0.87337 N 1367 S 250000 M 64 P 7500 -1.12468 N 1368 S 250000 F 38 S 2500 0.47106 U 1369 S 250000 F 35 P 35000 0.65343 U 1370 S 250000 F 35 P 35000 0.66757 N 1371 S 250000 F 40 P 7500 -0.03691 Y 1372 S 250000 F 21 S 7500 1.19250 A 1373 S 250000 M 23 S	1361		250000	F			75000		Y
1364 S 250000 M 25 S 15000 -0.48886 U 1365 S 250000 M 65 PS 35000 -1.23032 N 1366 S 250000 F 52 P 15000 -0.87337 N 1367 S 250000 M 64 P 7500 -1.12468 N 1368 S 250000 F 38 S 2500 0.47106 U 1369 S 250000 F 35 P 35000 0.65343 U 1370 S 250000 M 20 P 15000 -0.68757 N 1371 S 250000 F 40 P 7500 -0.03691 Y 1372 S 250000 F 21 S 7500 1.19250 A 1373 S 250000 M 23 S 125000	1362		250000	F			35000		U
1365 S 250000 M 65 PS 35000 -1.23032 N 1366 S 250000 F 52 P 15000 -0.87337 N 1367 S 250000 M 64 P 7500 -1.12468 N 1368 S 250000 F 38 S 2500 0.47106 U 1369 S 250000 F 35 P 35000 0.65343 U 1370 S 250000 M 20 P 15000 -0.68757 N 1371 S 250000 F 40 P 7500 -0.03691 Y 1371 S 250000 F 21 S 7500 1.19250 A 1372 S 250000 F 21 S 7500 1.19250 A 1373 S 250000 M 23 S 125000	1363		250000	F			7500	-0.55281	N
1366 S 250000 F 52 P 15000 -0.87337 N 1367 S 250000 M 64 P 7500 -1.12468 N 1368 S 250000 F 38 S 2500 0.47106 U 1369 S 250000 F 35 P 35000 0.65343 U 1370 S 250000 M 20 P 15000 -0.68757 N 1371 S 250000 F 40 P 7500 -0.03691 Y 1372 S 250000 F 21 S 7500 1.19250 A 1373 S 250000 M 68 S 35000 -1.04094 N 1374 S 250000 M 23 S 125000 -1.06402 N 1375 S 250000 F 45 P 35000	1364		250000	M		S	15000		U
1367 S 250000 M 64 P 7500 -1.12468 N 1368 S 250000 F 38 S 2500 0.47106 U 1369 S 250000 F 35 P 35000 0.47106 U 1370 S 250000 M 20 P 15000 -0.68757 N 1371 S 250000 F 40 P 7500 -0.03691 Y 1372 S 250000 F 40 P 7500 -1.04094 N 1373 S 250000 M 68 S 35000 -1.04094 N 1374 S 250000 M 23 S 125000 -1.06402 N 1375 S 250000 M 23 S 125000 -1.06402 N 1377 S 250000 F 45 P 35000 -1.06402 N 1378 S 250000 F 31 S <td>1365</td> <td></td> <td>250000</td> <td>M</td> <td></td> <td>PS</td> <td>35000</td> <td>-1.23032</td> <td>N</td>	1365		250000	M		PS	35000	-1.23032	N
1368 S 250000 F 38 S 2500 0.47106 U 1369 S 250000 F 35 P 35000 0.65343 U 1370 S 250000 M 20 P 15000 -0.68757 N 1371 S 250000 F 40 P 7500 -0.03691 Y 1372 S 250000 F 21 S 7500 1.19250 A 1373 S 250000 M 68 S 35000 -1.04094 N 1374 S 250000 M 23 S 125000 -1.06402 N 1375 S 250000 M 23 S 125000 -1.06402 N 1377 S 250000 F 45 P 35000 1.69876 <na> 1378 S 250000 F 31 S 7500</na>	1366		250000	F			15000		N
1369 S 250000 F 35 P 35000 0.65343 U 1370 S 250000 M 20 P 15000 -0.68757 N 1371 S 250000 F 40 P 7500 -0.03691 Y 1372 S 250000 F 21 S 7500 1.19250 A 1373 S 250000 M 68 S 35000 -1.04094 N 1374 S 250000 M 31 P 15000 1.36267 Y 1375 S 250000 M 23 S 125000 -1.06402 N 1376 S 250000 F 45 P 35000 -1.16969 U 1377 S 250000 F 18 S 35000 -1.16969 U 1378 S 250000 F 31 S 7500 0.59524 U 1379 S 250000 M 37 S	1367			M			7500		N
1370 S 250000 M 20 P 15000 -0.68757 N 1371 S 250000 F 40 P 7500 -0.03691 Y 1372 S 250000 F 21 S 7500 1.19250 A 1373 S 250000 M 68 S 35000 -1.04094 N 1374 S 250000 M 31 P 15000 1.36267 Y 1375 S 250000 M 23 S 125000 -1.06402 N 1376 S 250000 F 45 P 35000 -1.69876 <na> 1377 S 250000 F 18 S 35000 -1.16969 U 1378 S 250000 F 31 S 7500 0.59524 U 1379 S 250000 M 37 S 35000</na>				F					U
1371 S 250000 F 40 P 7500 -0.03691 Y 1372 S 250000 F 21 S 7500 1.19250 A 1373 S 250000 M 68 S 35000 -1.04094 N 1374 S 250000 M 31 P 15000 1.36267 Y 1375 S 250000 M 23 S 125000 -1.06402 N 1376 S 250000 F 45 P 35000 -1.16969 U 1377 S 250000 F 18 S 35000 -1.16969 U 1378 S 250000 F 31 S 7500 0.59524 U 1379 S 250000 F 31 S 7500 0.59524 U 1380 S 250000 M 37 S 35000 -0.96697 N 1381 S 15000 F 59 P				F			35000	0.65343	U
1372 S 250000 F 21 S 7500 1.19250 A 1373 S 250000 M 68 S 35000 -1.04094 N 1374 S 250000 M 31 P 15000 1.36267 Y 1375 S 250000 M 23 S 125000 -1.06402 N 1376 S 250000 F 45 P 35000 -1.69876 <na> 1377 S 250000 F 18 S 35000 -1.16969 U 1378 S 250000 F 31 S 7500 0.59524 U 1379 S 250000 M 22 S 35000 -0.96697 N 1380 S 250000 M 37 S 35000 -0.96697 N 1381 S 15000 F 59 P 75000 1.32500 Y 1382 S 15000 M 38 P<td></td><td></td><td></td><td>M</td><td>20</td><td></td><td>15000</td><td>-0.68757</td><td>N</td></na>				M	20		15000	-0.68757	N
1373 S 250000 M 68 S 35000 -1.04094 N 1374 S 250000 M 31 P 15000 1.36267 Y 1375 S 250000 M 23 S 125000 -1.06402 N 1376 S 250000 F 45 P 35000 1.69876 <na> 1377 S 250000 F 18 S 35000 -1.16969 U 1378 S 250000 F 31 S 7500 0.59524 U 1379 S 250000 M 22 S 35000 -0.96697 N 1380 S 250000 M 37 S 35000 1.36617 A 1381 S 15000 F 59 P 75000 1.51515 Y 1382 S 15000 M 38 P 15000</na>	1371			F			7500		Y
1374 S 250000 M 31 P 15000 1.36267 Y 1375 S 250000 M 23 S 125000 -1.06402 N 1376 S 250000 F 45 P 35000 1.69876 <na> 1377 S 250000 F 18 S 35000 -1.16969 U 1378 S 250000 F 31 S 7500 0.59524 U 1379 S 250000 M 22 S 35000 -0.96697 N 1380 S 250000 M 37 S 35000 1.36617 A 1381 S 15000 F 59 P 75000 1.32500 Y 1382 S 15000 F 23 S 35000 1.51515 Y 1384 S 15000 M 21 S NA</na>				F	21		7500		Α
1375 S 250000 M 23 S 125000 -1.06402 N 1376 S 250000 F 45 P 35000 1.69876 <na> 1377 S 250000 F 18 S 35000 -1.16969 U 1378 S 250000 F 31 S 7500 0.59524 U 1379 S 250000 M 22 S 35000 -0.96697 N 1380 S 250000 M 37 S 35000 1.36617 A 1381 S 15000 F 59 P 75000 1.32500 Y 1382 S 15000 F 23 S 35000 1.51515 Y 1384 S 15000 M 21 S NA -0.33534 A 1385 S 15000 M 31 S 35000</na>									
1376 S 250000 F 45 P 35000 1.69876 <na> 1377 S 250000 F 18 S 35000 -1.16969 U 1378 S 250000 F 31 S 7500 0.59524 U 1379 S 250000 M 22 S 35000 -0.96697 N 1380 S 250000 M 37 S 35000 1.36617 A 1381 S 15000 F 59 P 75000 1.32500 Y 1382 S 15000 F 23 S 35000 1.51515 Y 1383 S 15000 M 38 P 15000 0.23917 U 1384 S 15000 M 31 S 35000 0.50833 <na> 1386 S 15000 M 43 P 15000</na></na>			250000	M		P	15000		Y
1377 S 250000 F 18 S 35000 -1.16969 U 1378 S 250000 F 31 S 7500 0.59524 U 1379 S 250000 M 22 S 35000 -0.96697 N 1380 S 250000 M 37 S 35000 1.36617 A 1381 S 15000 F 59 P 75000 1.32500 Y 1382 S 15000 F 23 S 35000 1.51515 Y 1383 S 15000 M 38 P 15000 0.23917 U 1384 S 15000 M 21 S NA -0.33534 A 1385 S 15000 M 31 S 35000 0.50833 <na> 1386 S 15000 M 43 P 15000</na>				M				-1.06402	N
1378 S 250000 F 31 S 7500 0.59524 U 1379 S 250000 M 22 S 35000 -0.96697 N 1380 S 250000 M 37 S 35000 1.36617 A 1381 S 15000 F 59 P 75000 1.32500 Y 1382 S 15000 F 23 S 35000 1.51515 Y 1383 S 15000 M 38 P 15000 0.23917 U 1384 S 15000 M 21 S NA -0.33534 A 1385 S 15000 M 31 S 35000 0.50833 <na> 1386 S 15000 F 41 P 7500 -0.72318 N 1387 S 15000 M 43 P 15000 0.</na>									<na></na>
1379 S 250000 M 22 S 35000 -0.96697 N 1380 S 250000 M 37 S 35000 1.36617 A 1381 S 15000 F 59 P 75000 1.32500 Y 1382 S 15000 F 23 S 35000 1.51515 Y 1383 S 15000 M 38 P 15000 0.23917 U 1384 S 15000 M 21 S NA -0.33534 A 1385 S 15000 M 31 S 35000 0.50833 <na> 1386 S 15000 F 41 P 7500 -0.72318 N 1387 S 15000 M 43 P 15000 0.59896 Y 1388 S 15000 M 23 PS 7500 1.</na>									
1380 S 250000 M 37 S 35000 1.36617 A 1381 S 15000 F 59 P 75000 1.32500 Y 1382 S 15000 F 23 S 35000 1.51515 Y 1383 S 15000 M 38 P 15000 0.23917 U 1384 S 15000 M 21 S NA -0.33534 A 1385 S 15000 M 31 S 35000 0.50833 <na> 1386 S 15000 F 41 P 7500 -0.72318 N 1387 S 15000 M 43 P 15000 0.59896 Y 1388 S 15000 M 23 PS 7500 1.58770 Y</na>									
1381 S 15000 F 59 P 75000 1.32500 Y 1382 S 15000 F 23 S 35000 1.51515 Y 1383 S 15000 M 38 P 15000 0.23917 U 1384 S 15000 M 21 S NA -0.33534 A 1385 S 15000 M 31 S 35000 0.50833 <na> 1386 S 15000 F 41 P 7500 -0.72318 N 1387 S 15000 M 43 P 15000 0.59896 Y 1388 S 15000 M 23 PS 7500 1.58770 Y</na>									
1382 S 15000 F 23 S 35000 1.51515 Y 1383 S 15000 M 38 P 15000 0.23917 U 1384 S 15000 M 21 S NA -0.33534 A 1385 S 15000 M 31 S 35000 0.50833 NA> 1386 S 15000 F 41 P 7500 -0.72318 N 1387 S 15000 M 43 P 15000 0.59896 Y 1388 S 15000 M 23 PS 7500 1.58770 Y									
1383 S 15000 M 38 P 15000 0.23917 U 1384 S 15000 M 21 S NA -0.33534 A 1385 S 15000 M 31 S 35000 0.50833 <na> 1386 S 15000 F 41 P 7500 -0.72318 N 1387 S 15000 M 43 P 15000 0.59896 Y 1388 S 15000 M 23 PS 7500 1.58770 Y</na>						P			
1384 S 15000 M 21 S NA -0.33534 A 1385 S 15000 M 31 S 35000 0.50833 <na> 1386 S 15000 F 41 P 7500 -0.72318 N 1387 S 15000 M 43 P 15000 0.59896 Y 1388 S 15000 M 23 PS 7500 1.58770 Y</na>				F		S			Y
1385 S 15000 M 31 S 35000 0.50833 <na> 1386 S 15000 F 41 P 7500 -0.72318 N 1387 S 15000 M 43 P 15000 0.59896 Y 1388 S 15000 M 23 PS 7500 1.58770 Y</na>	1383		15000	M			15000		U
1386 S 15000 F 41 P 7500 -0.72318 N 1387 S 15000 M 43 P 15000 0.59896 Y 1388 S 15000 M 23 PS 7500 1.58770 Y									
1387 S 15000 M 43 P 15000 0.59896 Y 1388 S 15000 M 23 PS 7500 1.58770 Y									
1388 S 15000 M 23 PS 7500 1.58770 Y									
1389 S 15000 F 35 P 15000 1.58770 Y									
	1389	S	15000	F	35	P	15000	1.58770	Y

1390	S	15000	M	60	P	7500	0.57763	N
1391	S	15000	F	36	S	2500	0.19238	U
1392	S	15000	M	43	S	15000	-0.43921	U
1393	S	15000	F	35	PS	35000	1.58770	Y
1394	S	15000	M	22	P	7500	0.67327	N
1395	S	15000	F	27	PS	35000	NA	<na></na>
1396	S	15000	M	25	P	15000	-0.97709	N
1397	S	15000	M	66	P	15000	1.57366	Y
1398	S	15000	F	33	P	15000	1.40952	Y
1399	S	15000	M	59	P	7500	1.58770	Y
1400	S	15000	F	67	P	7500	0.51637	N
1401	S	15000	M	21	P	15000	-1.00723	N
1402	S	15000	M	54	P	15000	0.20137	Y
1403	S	15000	F	35	S	35000	0.16992	Α
1404	N	15000	M	21	PS	35000	1.29424	Y
1405	S	15000	M	55	S	35000	-1.29617	N
1406	S	15000	M	23	S	2500	0.43877	<na></na>
1407	S	15000	M	66	P	15000	-1.29617	N
1408	S	15000	F	49	P	2500	-1.12920	<na></na>
1409	S	15000	M	68	P	7500	0.97936	Y
1410	S	15000	F	20	P	2500	0.09844	Y
1411	S	15000	F	31	S	35000	0.65654	U
1412	S	15000	M	23	S	35000	-1.11878	N
1413	S	15000	M	27	S	7500	0.57369	Y
1414	S	15000	M	60	S	7500	0.31993	U
1415	S	15000	F	43	P	7500	1.06426	Y
1416	S	15000	M	34	P	15000	1.58770	U
1417	S	15000	M	43	P	35000	-0.54177	N
1418	S	15000	M	37	S	35000	1.26614	Y
1419	S	15000	F	48	P	2500	0.89357	U
1420	S	15000	F	28	P	7500	1.15210	U
1421	S	25000	F	21	S	35000	-0.80987	N
1422	S	25000	M	50	S	75000	-0.05229	U
1423	S	25000	F	45	S	35000	-0.41564	U
1424	S	25000	M	30	S	35000	0.30179	Y
1425	S	25000	F	69	S	7500	-0.11321	U
1426	S	25000	F	56	P	2500	1.43432	<na></na>
1427	S	25000	F	28	P	35000	0.19238	U
1428	S	25000	F	37	P	2500	-0.36626	Α
1429	S	25000	M	30	S	2500	1.00098	Y
1430	S	25000	M	37	P	7500	NA	U
1431	S	25000	M	21	P	35000	-0.35694	N
1432	S	25000	F	40	P	2500	-0.23049	U
1433	S	25000	M	57	P	7500	0.10233	Y
1434	S	25000	M	27	S	15000	-0.43537	N
1435	S	25000	F	18	S	2500	1.56059	Y

1436	S	25000	F	25	P	7500	1.36755	Y
1437	S	25000	F	49	P	2500	0.16314	Y
1438	S	25000	M	18	S	7500	-1.21834	N
1439	S	25000	M	47	PS	35000	-1.14049	N
1440	S	25000	F	22	P	15000	1.54947	Y
1441	S	125000	M	43	PS	75000	-0.92993	N
1442	S	125000	F	52	P	15000	0.95840	Y
1443	S	125000	F	24	S	15000	-0.67175	Α
1444	S	125000	M	18	S	15000	-0.98612	N
1445	S	125000	M	28	PS	75000	-1.14049	N
1446	S	125000	M	43	P	200000	1.50201	Y
1447	S	125000	F	37	P	35000	0.47684	<na></na>
1448	S	125000	F	23	S	35000	-1.26853	N
1449	S	125000	M	23	PS	35000	-1.03486	N
1450	S	125000	M	42	PS	35000	0.66881	U
1451	S	125000	М	20	S	15000	0.52377	U
1452	S	125000	F	20	PS	35000	-1.04950	N
1453	S	125000	F	48	P	15000	-0.90176	U
1454	S	125000	М	36	S	15000	0.60546	U
1455	S	125000	F	33	P	75000	-1.29617	N
1456	S	125000	F	38	PS	125000	-0.15788	N
1457	S	125000	M	37	P	35000	1.28625	Y
1458	S	125000	M	22	PS	200000	1.12564	Y
1459	S	125000	M	42	PS	200000	1.54808	Y
1460	S	125000	F	19	PS	200000	1.54808	Y
1461	S	15000	М	41	P	15000	1.37299	Y
1462	S	15000	М	27	PS	NA	1.35464	U
1463	S	15000	F	23	S	7500	0.68101	Y
1464	S	15000	М	56	P	7500	0.35966	U
1465	S	15000	F	44	P	75000	1.40449	Y
1466	S	15000	F	33	P	15000	-1.29617	N
1467	S	15000	M	19	S	15000	1.71355	Y
1468	S	15000	M	37	P	35000	1.43203	Y
1469	S	15000	F	62	P	2500	1.26728	U
1470	S	15000	F	36	P	15000	0.85910	U
1471	S	15000	F	26	PS	35000	-1.04234	N
1472	S	15000	F	36	P	35000	0.13228	U
1473	S	15000	M	40	PS	75000	0.41409	N
1474	S	15000	M	22	P	15000	1.14114	Y
1475	S	15000	M	32	P	15000	1.45955	Y
1476	S	15000	F	19	P	2500	0.50295	Y
1477	S	15000	M	34	S	75000	1.36617	Y
1478	S	15000	M	69	P	15000	1.39479	Y
1479	S	15000	F	32	S	35000	0.52178	Y
1480	S	15000	F	39	P	2500	0.39966	Y
1481	S	25000	F	31	P	7500	1.50986	Y

1482	S	25000	F	57	P	7500	1.54731	U
1483	S	25000	М	28	P	15000	0.67731	U
1484	S	25000	М	33	P	15000	-0.82779	U
1485	S	25000	М	63	S	35000	1.01347	Y
1486	S	25000	F	36	P	15000	0.49424	U
1487	S	25000	М	52	S	7500	0.77456	Y
1488	S	25000	F	44	P	35000	0.52212	Y
1489	S	25000	М	19	S	2500	1.40641	U
1490	S	25000	F	27	S	35000	0.92562	Α
1491	S	25000	F	29	S	2500	-1.25656	U
1492	S	25000	М	66	P	7500	-0.84133	<na></na>
1493	S	25000	М	24	P	2500	-1.25656	U
1494	S	25000	F	59	P	7500	-1.29617	Y
1495	S	25000	F	31	S	15000	1.00888	Y
1496	S	25000	F	45	S	7500	1.09242	Y
1497	S	25000	F	19	PS	15000	-0.14866	Α
1498	S	25000	М	37	PS	7500	-0.61342	N
1499	S	25000	М	36	S	7500	0.84092	Α
1500	S	25000	М	21	P	7500	0.73054	Y
1501	S	125000	F	59	P	15000	-0.89099	U
1502	S	125000	F	32	PS	35000	1.06803	Y
1503	S	125000	М	47	P	35000	-1.18323	N
1504	S	125000	М	18	S	35000	-0.92939	N
1505	S	125000	М	34	S	15000	-0.75084	N
1506	S	125000	М	29	S	35000		<na></na>
1507	S	125000	F	24	S	35000	-1.25795	N
1508	S	125000	М	52	S	15000	-0.55931	<na></na>
1509	S	125000	F	52	P	35000	1.09454	Y
1510	S	125000	F	54	P	35000	1.34252	Y
1511	S	125000	F	45	P	2500	1.27772	U
1512	S	125000	F	32	P	7500	-0.09680	U
1513	S	125000	М	40	P	7500	0.70614	U
1514	S	125000	М	34	P	7500	-0.84411	N
1515	S	125000	М	44	P	15000	-0.12988	Α
1516	S	125000	M	39	S	75000	-1.14049	N
1517	S	125000	F	40	S	125000	0.14576	Α
1518	S	125000	F	55	P	2500	-1.00723	N
1519	S	125000	F	21	P	15000	0.11541	Y
1520	S	125000	М	18	S	7500	-1.15309	N
1521	S	125000	М	70	S	75000	1.05894	Y
1522	S	125000	F	31	S	125000	1.43203	Y
1523	S	125000	F	35	PS	75000	1.03393	Y
1524	S	125000	F	40	S	35000	0.43786	Y
1525	S	125000	M	27	PS	125000	-0.32494	N
1526	S	125000	F	55	P	15000	-0.36459	Α
1527	S	125000	F	28	P	15000	1.49187	Y

1528	S	125000	F	41	P	15000	-0.66172	N
1529	S	125000	M	36	P	75000	0.84959	U
1530	S	125000	M	19	S	7500	-0.17095	Y
1531	S	125000	F	29	S	15000	-1.07733	U
1532	S	125000	M	47	S	35000	1.43203	Y
1533	S	125000	M	30	S	15000	-0.93468	N
1534	S	125000	M	22	S	15000	-1.18993	N
1535	S	125000	F	43	S	15000	1.03251	Y
1536	S	125000	F	67	P	15000	1.00184	Y
1537	S	125000	M	22	S	35000	-0.84201	N
1538	S	125000	F	29	P	7500	1.44774	Y
1539	S	125000	F	24	S	35000	1.24184	Y
1540	S	125000	M	49	P	35000	1.58770	Y
1541	S	15000	F	50	S	75000	NA	Α
1542	S	15000	F	21	P	7500	-1.14317	N
1543	S	15000	F	58	P	15000	1.32577	Y
1544	S	15000	M	18	PS	NA	2.04859	U
1545	S	15000	M	62	S	35000	1.12272	Y
1546	S	15000	M	47	S	125000	0.66292	Y
1547	S	15000	M	23	S	15000	-1.00193	N
1548	S	15000	M	66	P	7500	1.17153	U
1549	S	15000	F	30	S	7500	0.99168	Y
1550	S	15000	F	36	PS	75000	1.47693	Y
1551	S	15000	M	29	P	15000	1.39910	U
1552	S	15000	F	31	P	15000	1.31661	Y
1553	S	15000	M	58	P	2500	-0.76995	U
1554	S	15000	F	57	P	7500	-1.22954	U
1555	S	15000	M	26	P	2500	-1.15762	N
1556	S	15000	M	24	P	NA	NA	N
1557	S	15000	F	25	S	200000	1.58770	U
1558	S	15000	F	48	P	75000	1.58770	Y
1559	S	15000	M	60	P	15000	1.16179	Y
1560	S	15000	F	27	P	7500	1.35000	N
1561	S	125000	F	44	S	7500	-0.65490	N
1562	S	125000	F	22	S	7500	-1.10678	N
1563	S	125000	M	63	P	35000	1.32162	Y
1564	S	125000	M	28	S	35000	0.12520	Y
1565	S	125000	M	27	PS	35000	-0.99172	N
1566	S	125000	F	24	S	75000	1.37068	Y
1567	S	125000	M	32	S	15000	-1.18173	N
1568	S	125000	F	25	P	7500	-0.70047	N
1569	S	125000	F	59	P	NA	NA	Y
1570	S	125000	M	39	P	7500	0.40746	U
1571	S	125000	M	31	P	75000	1.15958	U
1572	S	125000	M	41	S	15000	0.99704	N
1573	S	125000	F	31	PS	125000	1.27275	<na></na>

1575 S 125000 F 41 P 15000 1.23693 Y 1577 S 125000 F 49 P 35000 1.23693 Y 1578 S 125000 M 39 PS 75000 -0.83444 N 1579 S 125000 M 20 S 35000 -0.42725 Y 1580 S 125000 F 24 PS NA -0.67050 Y 1581 S 25000 F 24 PS NA -0.67050 Y 1582 S 25000 F 22 PS 15000 1.00318 Y 1584 S 25000 M 18 S 15000 1.00318 Y 1585 S 25000 M 18 S 15000 1.00528 Y 1586 S 25000 M 38 P 15000 <t< th=""><th>1574</th><th>S</th><th>125000</th><th>M</th><th>42</th><th>PS</th><th>125000</th><th>0.12256</th><th>Α</th></t<>	1574	S	125000	M	42	PS	125000	0.12256	Α
1577	1575	S	125000	F	41	P	15000	1.20579	U
1578	1576	S	125000	F	49	P	35000	1.23693	Y
1579 S 125000 M 20 S 35000 -0.42725 Y 1580 S 125000 F 39 P 75000 -0.11784 Y 1581 S 25000 F 24 PS NA -0.67050 U 1582 S 25000 F 22 PS 15000 1.00518 Y 1583 S 25000 F 41 P 7500 1.00528 Y 1584 S 25000 M 64 PS 35000 1.58770 Y 1585 S 25000 M 18 S 15000 -0.83900 N 1586 S 25000 M 38 P 15000 0.22416 N 15878 S 25000 M 38 P 15000 0.34331 A 1589 S 25000 M 21 P 35000 0.74667 U 1590 S 25000 M 21 P 35000 0.74667 U 1590 S 25000 M 38 P 2500 0.28952 U 1592 S 25000 M 39 P 7500 0.28952 U 1592 S 25000 M 39 P 7500 0.55175 Y 1595 S 25000 F 33 S 35000 0.55175 Y 1595 S 25000 F 33 S 35000 0.55175 Y 1596 S 25000 F 31 P 15000 1.32577 Y 1598 S 25000 F 31 P 15000 1.32577 Y 1599 S 25000 F 31 P 15000 1.32577 Y 1599 S 25000 F 31 P 15000 1.32577 Y 1599 S 25000 F 31 P 15000 1.32577 Y 1599 S 25000 F 31 P 15000 1.32577 Y 1599 S 25000 F 31 P 15000 1.32577 Y 1599 S 25000 F 31 P 15000 1.32577 Y 1599 S 25000 F 31 P 15000 1.32577 Y 1599 S 25000 F 31 P 15000 1.32577 Y 1500 S 25000 F 31 P 15000 -0.89642 NN≥ 1600 S 25000 F 24 P 35000 0.66157 Y 1600 S 25000 F 34 P 35000 0.66157 Y 1600 S 25000 F 24 P 35000 0.98642 NN≥ 1600 S 25000 F 24 P 35000 0.98642 NN≥ 1600 S 25000 M 25 S 75000 1.25133 Y 1604 S 25000 M 28 S 75000 0.34221 N 1605 S 25000 M 27 S 75000 0.34221 N 1600 S 25000 M 28 S 75000 0.34221 N 1600 S 25000 M 27 S 75000 0.34221 N 1600 S 25000 M 27 S 75000 0.34221 N 1600 S 25000 M 28 S 75000 0.34221 N 1600 S 25000 M 27 S 75000 0.34221 N 1600 S 25000 M 27 S 75000 0.34221 N 1601 S 25000 F 37 S 75000 0.34221 N 1601 S 25000 F 37 S 75000 0.34221 N 1601 S 25000 F 37 S 75000 0.34221 N 1601 S 25000 F 37 P 15000 0.34221 N 1601 S 25000 F 37 P 15000 0.34221 N 1601 S 25000 F 37 P 15000 0.34221 N 1601 S 25000 F 37 P 15000 0.34221 N 1601 S 25000 M 39 S 35000 0.44087 A 1601 S 25000 M 39 S 35000 0.44087 A 1601 S 25000 M 39 S 35000 0.75548 U 1601 S 25000 M 39 S 35000 0.75048 U 1601 S 25000 M 39 S 35000 0.75048 U 1601 S 25000 M 34 P 75000 0.34021 U 1601 S 25000 M 34 P 75000 0.34021 U 1601 S 25000 M 34 P 75000 0.103027 N 1601 S 25000 M 34 P 75000 0.103027 N 1601 S 25000 M 34	1577	S	125000	M	39	PS	75000	-0.83444	N
1580 S 125000 F 39 P 75000 −0.11784 Y 1581 S 25000 F 24 PS NA −0.67050 U 1582 S 25000 F 22 PS 15000 1.00318 Y 1584 S 25000 M 64 PS 35000 1.58770 Y 1585 S 25000 M 18 S 15000 −0.83900 N 1586 S 25000 M 18 S 15000 −0.83900 N 1587 S 25000 M 38 P 15000 0.22416 N 1588 S 25000 M 21 P 35000 0.34331 A 1589 S 25000 F 43 P 2500 −1.26524 N 1591 S 25000 F 51 P 2500 −	1578	S	125000	F	25	S	35000	0.29024	Y
1581 S 25000 F 24 PS NA -0.67050 U 1582 S 25000 F 22 PS 15000 1.00318 Y 1583 S 25000 M 41 P 7500 1.00528 Y 1584 S 25000 M 18 S 15000 -0.83900 N 1585 S 25000 M 18 S 15000 -0.83900 N 1586 S 25000 M 38 P 15000 -1.40290 Y 1587 S 25000 M 23 S 35000 0.22416 N 1589 S 25000 M 23 S 35000 0.74667 U 1589 S 25000 M 21 P 35000 0.74667 U 1590 S 25000 F 51 P 2500 -0.2	1579	S	125000	M	20	S	35000	-0.42725	Y
1582 S 25000 F 22 PS 15000 1.00318 Y 1583 S 25000 F 41 P 7500 1.00528 Y 1584 S 25000 M 18 S 35000 1.58770 Y 1586 S 25000 M 18 S 15000 -0.83900 N 1587 S 25000 M 38 P 15000 0.22416 N 1588 S 25000 M 23 S 35000 0.34331 A 1589 S 25000 M 21 P 35000 0.74667 U 1591 S 25000 F 51 P 2500 -1.26524 N 1591 S 25000 F 51 P 2500 -1.26524 N 1592 S 25000 F 51 P 2500 -1.26	1580	S	125000	F	39	P	75000	-0.11784	Y
1583 S 25000 F 41 P 7500 1.00528 Y 1584 S 25000 M 64 PS 35000 1.58770 Y 1585 S 25000 M 18 S 15000 -0.83900 N 1586 S 25000 M 18 S 15000 -0.22416 N 1587 S 25000 M 23 S 35000 0.22416 N 1588 S 25000 M 21 P 35000 0.34331 A 1589 S 25000 M 21 P 35000 0.74667 U 1590 S 25000 F 51 P 2500 -1.26524 N 1591 S 25000 F 51 P 2500 -2.82861 A 1591 S 25000 F 33 S 35000 -0.	1581	S	25000	F	24	PS	NA	-0.67050	U
1584 S 25000 M 64 PS 35000 1.58770 Y 1585 S 25000 M 18 S 15000 -0.83900 N 1586 S 25000 F 19 S 7500 0.22416 N 1587 S 25000 M 23 S 35000 0.34331 A 1589 S 25000 M 21 P 35000 0.74667 U 1590 S 25000 F 43 P 2500 -1.26524 N 1591 S 25000 F 51 P 2500 -1.26524 N 1591 S 25000 F 51 P 2500 -1.26524 N 1592 S 25000 F 51 P 2500 -2.82861 A 1593 S 25000 F 55 P 7500 -1.296	1582	S	25000	F	22	PS	15000	1.00318	Y
1585 S 25000 M 18 S 15000 -0.83900 N 1586 S 25000 F 19 S 7500 0.22416 N 1587 S 25000 M 38 P 15000 1.40290 Y 1588 S 25000 M 23 S 35000 0.34331 A 1589 S 25000 M 21 P 35000 0.74667 U 1590 S 25000 F 51 P 2500 -1.26524 N 1591 S 25000 F 51 P 2500 -1.26524 N 1591 S 25000 F 51 P 2500 -1.26617 U 1592 S 25000 F 51 P 2500 -0.3396 Y 1593 S 25000 F 55 P 7500 -1.29617	1583	S	25000	F	41	P	7500	1.00528	Y
1586 S 25000 F 19 S 7500 0.22416 N 1587 S 25000 M 38 P 15000 1.40290 Y 1588 S 25000 M 23 S 35000 0.34331 A 1590 S 25000 F 43 P 2500 -1.26524 N 1591 S 25000 F 51 P 2500 -1.26524 N 1591 S 25000 F 51 P 2500 -1.26524 N 1591 S 25000 F 51 P 2500 -0.282861 A 1593 S 25000 F 55 P 7500 -0.41063 N 1594 S 25000 F 55 P 7500 -1.29617 U 1595 S 25000 F 55 P 7500 -1.2961	1584	S	25000	M	64	PS	35000		Y
1587 S 25000 M 38 P 15000 1.40290 Y 1588 S 25000 M 23 S 35000 0.34331 A 1589 S 25000 M 21 P 35000 0.74667 U 1590 S 25000 F 43 P 2500 -1.26524 N 1591 S 25000 F 51 P 2500 -0.282852 U 1592 S 25000 M 39 P 7500 -0.82861 A 1593 S 25000 M 26 P 35000 0.55175 Y 1594 S 25000 F 55 P 7500 -1.29617 U 1595 S 25000 F 55 P 7500 -1.29617 U 1596 S 25000 F 40 P 2500 -0.303	1585	S	25000	M	18	S	15000	-0.83900	N
1588 S 25000 M 23 S 35000 0.34331 A 1589 S 25000 M 21 P 35000 0.74667 U 1590 S 25000 F 43 P 2500 -1.26524 N 1591 S 25000 F 51 P 2500 -0.28962 U 1592 S 25000 M 39 P 7500 -0.82861 A 1593 S 25000 F 33 S 35000 -0.41063 N 1594 S 25000 F 55 P 7500 -1.29617 U 1595 S 25000 F 55 P 7500 -1.29617 U 1596 S 25000 F 50 P 7500 -1.29617 U 1597 S 25000 F 70 P 15000 1.325	1586	S	25000	F	19	S		0.22416	N
1589 S 25000 M 21 P 35000 0.74667 U 1590 S 25000 F 43 P 2500 -1.26524 N 1591 S 25000 F 51 P 2500 0.28952 U 1592 S 25000 M 39 P 7500 -0.82861 A 1593 S 25000 M 26 P 35000 -0.41063 N 1594 S 25000 F 33 S 35000 -0.55175 Y 1595 S 25000 F 55 P 7500 -1.29617 U 1596 S 25000 F 55 P 7500 -1.29617 U 1597 S 25000 F 40 P 2500 -0.30396 Y 1597 S 25000 F 31 P 15000 1.316	1587		25000	M	38	P	15000	1.40290	Y
1590 S 25000 F 43 P 2500 −1.26524 N 1591 S 25000 F 51 P 2500 0.28952 U 1592 S 25000 M 39 P 7500 −0.82861 A 1593 S 25000 M 26 P 35000 −0.41063 N 1594 S 25000 F 33 S 35000 −0.5175 Y 1595 S 25000 F 55 P 7500 −1.29617 U 1596 S 25000 F 40 P 2500 −0.30396 Y 1597 S 25000 F 70 P 15000 1.32577 Y 1598 S 25000 F 31 P 15000 1.04981 U 1599 S 25000 M 43 P 35000 0.614	1588	S	25000	M	23	S	35000	0.34331	Α
1591 S 25000 F 51 P 2500 0.28952 U 1592 S 25000 M 39 P 7500 -0.82861 A 1593 S 25000 M 26 P 35000 -0.41063 N 1594 S 25000 F 33 S 35000 0.55175 Y 1595 S 25000 F 55 P 7500 -1.29617 U 1596 S 25000 F 40 P 2500 -0.30396 Y 1597 S 25000 F 70 P 15000 1.32577 Y 1598 S 25000 F 31 P 15000 -1.04981 U 1599 S 25000 M 43 P 35000 0.61457 Y 1600 S 25000 F 51 P 35000 0.986	1589		25000	M			35000	0.74667	U
1592 S 25000 M 39 P 7500 -0.82861 A 1593 S 25000 M 26 P 35000 -0.41063 N 1594 S 25000 F 33 S 35000 0.55175 Y 1595 S 25000 F 55 P 7500 -1.29617 U 1596 S 25000 F 40 P 2500 -0.30396 Y 1597 S 25000 F 70 P 15000 1.32577 Y 1598 S 25000 F 31 P 15000 -1.04981 U 1599 S 25000 M 43 P 35000 0.61457 Y 1600 S 25000 M 22 P 15000 1.51655 Y 1601 S 25000 F 24 P 35000 0.46	1590		25000	F	43	P	2500	-1.26524	N
1593 S 25000 M 26 P 35000 -0.41063 N 1594 S 25000 F 33 S 35000 0.55175 Y 1595 S 25000 F 55 P 7500 -1.29617 U 1596 S 25000 F 40 P 2500 -0.30396 Y 1597 S 25000 F 70 P 15000 1.32577 Y 1598 S 25000 F 31 P 15000 -1.04981 U 1599 S 25000 M 43 P 35000 0.61457 Y 1600 S 25000 M 22 P 15000 1.51655 Y 1601 S 25000 F 51 P 35000 0.98642 <na> 1602 S 25000 F 24 P 35000 0</na>	1591		25000	F			2500		U
1594 S 25000 F 33 S 35000 0.55175 Y 1596 S 25000 F 55 P 7500 -1.29617 U 1597 S 25000 F 40 P 2500 -0.30396 Y 1597 S 25000 F 70 P 15000 -1.04981 U 1598 S 25000 M 43 P 35000 -1.04981 U 1599 S 25000 M 43 P 35000 0.61457 Y 1600 S 25000 M 22 P 15000 1.51655 Y 1601 S 25000 F 51 P 35000 0.46682 N 1602 S 25000 F 24 P 35000 0.46682 N 1603 S 25000 M 25 S 75000 -0.2	1592		25000	M		P	7500	-0.82861	Α
1595 S 25000 F 55 P 7500 -1.29617 U 1596 S 25000 F 40 P 2500 -0.30396 Y 1597 S 25000 F 70 P 15000 -1.04981 U 1598 S 25000 F 31 P 15000 -1.04981 U 1599 S 25000 M 43 P 35000 0.61457 Y 1600 S 25000 M 22 P 15000 1.51655 Y 1601 S 25000 F 51 P 35000 0.98642 <na> 1602 S 25000 F 24 P 35000 0.46682 N 1603 S 25000 F 24 P 35000 0.66157 Y 1604 S 25000 M 25 S 75000 1</na>	1593		25000	M			35000	-0.41063	N
1596 S 25000 F 40 P 2500 -0.30396 Y 1597 S 25000 F 70 P 15000 1.32577 Y 1598 S 25000 F 31 P 15000 -1.04981 U 1599 S 25000 M 43 P 35000 0.61457 Y 1600 S 25000 M 22 P 15000 1.51655 Y 1601 S 25000 F 51 P 35000 0.98642 NA> 1602 S 25000 F 24 S 35000 0.46682 N 1603 S 25000 F 24 P 35000 -0.25323 Y 1604 S 25000 M 38 P 35000 0.66157 Y 1605 S 25000 M 28 S 75000 1.	1594		25000	F			35000		Y
1597 S 25000 F 70 P 15000 1.32577 Y 1598 S 25000 F 31 P 15000 -1.04981 U 1599 S 25000 M 43 P 35000 0.61457 Y 1600 S 25000 M 22 P 15000 1.51655 Y 1601 S 25000 F 51 P 35000 0.98642 NA> 1602 S 25000 F 51 P 35000 0.46682 N 1603 S 25000 F 24 P 35000 0.46682 N 1603 S 25000 M 38 P 35000 0.66157 Y 1605 S 25000 M 25 S 75000 1.25199 Y 1606 S 25000 M 28 S 75000 -0.	1595		25000	F		P	7500	-1.29617	U
1598 S 25000 F 31 P 15000 -1.04981 U 1599 S 25000 M 43 P 35000 0.61457 Y 1600 S 25000 M 22 P 15000 1.51655 Y 1601 S 25000 F 51 P 35000 0.98642 <na> 1602 S 25000 F 24 S 35000 0.46682 N 1603 S 25000 F 24 P 35000 -0.25323 Y 1604 S 25000 M 38 P 35000 -0.66157 Y 1605 S 25000 M 25 S 75000 1.25199 Y 1606 S 25000 M 28 S 75000 -0.89167 A 1607 S 25000 M 27 S 75000 -0.78296</na>	1596		25000	F	40	P	2500		Y
1599 S 25000 M 43 P 35000 0.61457 Y 1600 S 25000 M 22 P 15000 1.51655 Y 1601 S 25000 F 51 P 35000 0.98642 <na> 1602 S 25000 F 24 S 35000 0.46682 N 1603 S 25000 F 24 P 35000 -0.25323 Y 1604 S 25000 M 38 P 35000 -0.66157 Y 1605 S 25000 M 25 S 75000 -0.89167 A 1606 S 25000 M 28 S 75000 -0.89167 A 1607 S 25000 M 27 S 75000 -0.78296 U 1608 S 25000 F 37 S 75000 <t< td=""><td>1597</td><td></td><td>25000</td><td>F</td><td></td><td>P</td><td>15000</td><td></td><td>Y</td></t<></na>	1597		25000	F		P	15000		Y
1600 S 25000 M 22 P 15000 1.51655 Y 1601 S 25000 F 51 P 35000 0.98642 <na> 1602 S 25000 F 24 S 35000 0.46682 N 1603 S 25000 F 24 P 35000 -0.25323 Y 1604 S 25000 M 38 P 35000 0.66157 Y 1605 S 25000 M 25 S 75000 1.25199 Y 1606 S 25000 M 28 S 75000 -0.89167 A 1607 S 25000 M 60 P 7500 0.34221 N 1608 S 25000 F 37 S 75000 -0.78296 U 1609 S 25000 F 37 S 75000 -0.79717</na>				F	31	P			U
1601 S 25000 F 51 P 35000 0.98642 <na> 1602 S 25000 F 24 S 35000 0.46682 N 1603 S 25000 F 24 P 35000 -0.25323 Y 1604 S 25000 M 38 P 35000 0.66157 Y 1605 S 25000 M 25 S 75000 1.25199 Y 1606 S 25000 M 28 S 75000 -0.89167 A 1607 S 25000 M 60 P 7500 0.34221 N 1608 S 25000 M 27 S 75000 -0.78296 U 1609 S 25000 F 37 S 75000 -1.25899 Y 1610 S 25000 F 36 P 75000 0.31015</na>				M		P	35000		Y
1602 S 25000 F 24 S 35000 0.46682 N 1603 S 25000 F 24 P 35000 -0.25323 Y 1604 S 25000 M 38 P 35000 0.66157 Y 1605 S 25000 M 25 S 75000 1.25199 Y 1606 S 25000 M 28 S 75000 -0.89167 A 1607 S 25000 M 60 P 7500 0.34221 N 1608 S 25000 M 27 S 75000 -0.78296 U 1609 S 25000 F 37 S 75000 -1.25899 Y 1610 S 25000 F 26 P 75000 0.79717 Y 1611 S 25000 F 30 PS 35000 0.				M		P	15000		
1603 S 25000 F 24 P 35000 -0.25323 Y 1604 S 25000 M 38 P 35000 0.66157 Y 1605 S 25000 M 25 S 75000 1.25199 Y 1606 S 25000 M 28 S 75000 -0.89167 A 1607 S 25000 M 60 P 7500 0.34221 N 1608 S 25000 M 27 S 75000 -0.78296 U 1609 S 25000 F 37 S 75000 -0.78296 U 1610 S 25000 F 37 S 75000 -0.79717 Y 1611 S 25000 F 30 PS 35000 0.44087 A 1612 S 25000 F 41 S 35000 0				F			35000		<na></na>
1604 S 25000 M 38 P 35000 0.66157 Y 1605 S 25000 M 25 S 75000 1.25199 Y 1606 S 25000 M 28 S 75000 -0.89167 A 1607 S 25000 M 60 P 7500 0.34221 N 1608 S 25000 M 27 S 75000 -0.78296 U 1609 S 25000 F 37 S 75000 -0.78296 U 1610 S 25000 F 37 S 75000 -1.25899 Y 1611 S 25000 F 26 P 75000 0.79717 Y 1612 S 25000 F 30 PS 35000 0.44087 A 1613 S 25000 F 37 P 15000 -0				F			35000		N
1605 S 25000 M 25 S 75000 1.25199 Y 1606 S 25000 M 28 S 75000 -0.89167 A 1607 S 25000 M 60 P 7500 0.34221 N 1608 S 25000 M 27 S 75000 -0.78296 U 1609 S 25000 F 37 S 75000 -1.25899 Y 1610 S 25000 F 26 P 75000 0.79717 Y 1611 S 25000 F 30 PS 35000 0.31015 U 1612 S 25000 F 30 PS 35000 0.44087 A 1613 S 25000 F 37 P 15000 -0.98021 U 1615 S 25000 M 34 PS 75000									
1606 S 25000 M 28 S 75000 -0.89167 A 1607 S 25000 M 60 P 7500 0.34221 N 1608 S 25000 M 27 S 75000 -0.78296 U 1609 S 25000 F 37 S 7500 -1.25899 Y 1610 S 25000 F 26 P 7500 0.79717 Y 1611 S 25000 M 34 P 75000 0.31015 U 1612 S 25000 F 30 PS 35000 0.44087 A 1613 S 25000 F 41 S 35000 0.84982 A 1614 S 25000 F 37 P 15000 -0.98021 U 1615 S 25000 M 34 PS 75000 1.3				M			35000		
1607 S 25000 M 60 P 7500 0.34221 N 1608 S 25000 M 27 S 75000 -0.78296 U 1609 S 25000 F 37 S 7500 -1.25899 Y 1610 S 25000 F 26 P 7500 0.79717 Y 1611 S 25000 M 34 P 75000 0.31015 U 1612 S 25000 F 30 PS 35000 0.44087 A 1613 S 25000 F 41 S 35000 0.84982 A 1614 S 25000 F 37 P 15000 -0.98021 U 1615 S 25000 M 39 S 35000 0.75548 U 1616 S 25000 M 42 PS 125000 -1.				M			75000		Y
1608 S 25000 M 27 S 75000 -0.78296 U 1609 S 25000 F 37 S 7500 -1.25899 Y 1610 S 25000 F 26 P 7500 0.79717 Y 1611 S 25000 M 34 P 75000 0.31015 U 1612 S 25000 F 30 PS 35000 0.44087 A 1613 S 25000 F 41 S 35000 0.84982 A 1614 S 25000 F 37 P 15000 -0.98021 U 1615 S 25000 M 39 S 35000 0.75548 U 1616 S 25000 M 42 PS 125000 -1.03027 N 1618 S 25000 F 52 P 15000 1									Α
1609 S 25000 F 37 S 7500 -1.25899 Y 1610 S 25000 F 26 P 7500 0.79717 Y 1611 S 25000 M 34 P 75000 0.31015 U 1612 S 25000 F 30 PS 35000 0.44087 A 1613 S 25000 F 41 S 35000 0.84982 A 1614 S 25000 F 37 P 15000 -0.98021 U 1615 S 25000 M 39 S 35000 0.75548 U 1616 S 25000 M 34 PS 75000 1.36206 Y 1617 S 25000 M 42 PS 125000 -1.03027 N 1618 S 25000 F 52 P 15000 1									
1610 S 25000 F 26 P 7500 0.79717 Y 1611 S 25000 M 34 P 75000 0.31015 U 1612 S 25000 F 30 PS 35000 0.44087 A 1613 S 25000 F 41 S 35000 0.84982 A 1614 S 25000 F 37 P 15000 -0.98021 U 1615 S 25000 M 39 S 35000 0.75548 U 1616 S 25000 M 34 PS 75000 1.36206 Y 1617 S 25000 M 42 PS 125000 -1.03027 N 1618 S 25000 F 52 P 15000 1.31484 U			25000						
1611 S 25000 M 34 P 75000 0.31015 U 1612 S 25000 F 30 PS 35000 0.44087 A 1613 S 25000 F 41 S 35000 0.84982 A 1614 S 25000 F 37 P 15000 -0.98021 U 1615 S 25000 M 39 S 35000 0.75548 U 1616 S 25000 M 34 PS 75000 1.36206 Y 1617 S 25000 M 42 PS 125000 -1.03027 N 1618 S 25000 F 52 P 15000 1.31484 U									
1612 S 25000 F 30 PS 35000 0.44087 A 1613 S 25000 F 41 S 35000 0.84982 A 1614 S 25000 F 37 P 15000 -0.98021 U 1615 S 25000 M 39 S 35000 0.75548 U 1616 S 25000 M 34 PS 75000 1.36206 Y 1617 S 25000 M 42 PS 125000 -1.03027 N 1618 S 25000 F 52 P 15000 1.31484 U									
1613 S 25000 F 41 S 35000 0.84982 A 1614 S 25000 F 37 P 15000 -0.98021 U 1615 S 25000 M 39 S 35000 0.75548 U 1616 S 25000 M 34 PS 75000 1.36206 Y 1617 S 25000 M 42 PS 125000 -1.03027 N 1618 S 25000 F 52 P 15000 1.31484 U						P			U
1614 S 25000 F 37 P 15000 -0.98021 U 1615 S 25000 M 39 S 35000 0.75548 U 1616 S 25000 M 34 PS 75000 1.36206 Y 1617 S 25000 M 42 PS 125000 -1.03027 N 1618 S 25000 F 52 P 15000 1.31484 U			25000			PS			Α
1615 S 25000 M 39 S 35000 0.75548 U 1616 S 25000 M 34 PS 75000 1.36206 Y 1617 S 25000 M 42 PS 125000 -1.03027 N 1618 S 25000 F 52 P 15000 1.31484 U				F		S	35000	0.84982	Α
1616 S 25000 M 34 PS 75000 1.36206 Y 1617 S 25000 M 42 PS 125000 -1.03027 N 1618 S 25000 F 52 P 15000 1.31484 U									U
1617 S 25000 M 42 PS 125000 -1.03027 N 1618 S 25000 F 52 P 15000 1.31484 U									
1618 S 25000 F 52 P 15000 1.31484 U									
1619 S 25000 F 19 P 15000 0.22425 U									U
	1619	S	25000	F	19	P	15000	0.22425	U

1620	S	25000	F	37	PS	35000	-0.16155	U
1621	S	25000	F	50	S	35000	-1.29617	<na></na>
1622	S	25000	F	23	S	15000	-1.18602	N
1623	S	25000	M	32	S	75000	0.93010	U
1624	S	25000	M	42	S	125000	0.67322	Α
1625	S	25000	M	32	S	35000	0.01598	U
1626	S	25000	M	45	P	7500	-1.14952	N
1627	S	25000	F	30	S	2500	-1.04842	N
1628	S	25000	M	30	S	2500	1.43653	Y
1629	S	25000	F	66	P	15000	1.58770	Y
1630	S	25000	F	22	P	2500	-0.97507	N
1631	S	25000	M	41	P	2500	-1.29617	<na></na>
1632	S	25000	F	38	S	35000	-1.04500	N
1633	S	25000	M	35	S	35000	-1.21974	N
1634	S	25000	M	65	P	15000	-1.29617	N
1635	S	25000	F	28	S	15000	-0.43759	Α
1636	S	25000	M	59	S	35000	0.76631	Y
1637	S	25000	M	28	P	35000	1.27034	Y
1638	S	25000	F	21	S	35000	0.61585	Y
1639	S	25000	F	52	P	15000	0.92820	U
1640	S	25000	F	64	S	75000	-0.03354	N
1641	SA	250000	M	33	S	35000	-1.06452	N
1642	SA	250000	М	50	Р	15000	0.45059	Y
1643	SA	250000	F	25	PS	35000	-1.29617	N
1644	SA	250000	F	55	S	15000	-1.10897	N
1645	SA	250000	М	27	PS	35000	0.20291	Y
1646	SA	250000	М	20	S	15000	-1.05543	N
1647	SA	250000	М	51	S	15000	-1.29617	<na></na>
1648	SA	250000	F	22	S	NA	-0.26023	N
1649	SA	250000	F	43	Р	35000	0.49878	U
1650	SA	250000	M	40	PS	75000	1.24546	Y
1651	SA	250000	F	36	S	15000	-0.58334	Α
1652	SA	250000	M	45	Р	35000	-1.11130	N
1653	SA	250000	F	32	S	15000	0.88028	<na></na>
1654	SA	250000	F	23	S	35000	0.62692	Y
1655	SA	250000	М	18	S	NA	-0.50453	N
1656	SA	250000	М	28	PS	75000	-0.93008	N
1657	SA	250000	M	44	S	75000	1.58770	Y
1658	SA	250000	F	22	PS	35000	-0.30240	U
1659	SA	250000	F	45	P	15000	-0.49024	Y
1660	SA	250000	М	42	P	7500	-1.12096	Ū
1661	SA	250000	F	37	P	15000	1.44774	Ü
1662	SA	250000	F	26	P	15000	0.30361	U
1663	SA	250000	М	33	PS	35000	-0.58329	N
1664	SA	250000	F	45	S	7500	0.19216	U
1665	SA	250000	М	53	PS	35000	-1.03400	N
1000	DП	200000	- 1	00	1 0	55550	1.00-00	14

1666	SA	250000	F	24	PS	35000	-1.29617	N
1667	SA	250000	F	47	PS	75000	-0.40469	N
1668	SA	250000	F	36	PS	35000	-1.05877	N
1669	SA	250000	M	34	PS	75000	0.71248	<na></na>
1670	SA	250000	M	45	PS	125000	1.29875	Y
1671	SA	250000	M	53	S	15000	-0.93017	<na></na>
1672	SA	250000	F	39	S	125000	1.58770	Y
1673	SA	250000	F	35	S	35000	-0.75754	U
1674	SA	250000	F	53	S	35000	-0.37617	U
1675	SA	250000	M	20	S	75000	-0.78955	N
1676	SA	250000	M	50	P	15000	0.02737	Y
1677	SA	250000	F	67	P	7500	0.84968	Y
1678	SA	250000	F	30	S	35000	0.60127	Y
1679	SA	250000	F	65	P	15000	-1.06347	N
1680	SA	250000	M	33	S	15000	0.91949	U
1681	SA	250000	F	57	Р	15000	0.06283	Y
1682	SA	250000	F	21	PS	35000	-0.36306	Α
1683	SA	250000	М	28	S	15000	-1.02236	Y
1684	SA	250000	F	52	Р	35000	1.22526	<na></na>
1685	SA	250000	М	36	PS	15000	-1.15236	N
1686	SA	250000	М	40	Р	NA	0.14822	<na></na>
1687	SA	250000	F	58	S	15000	1.21422	<na></na>
1688	SA	250000	F	22	S	NA	-1.01895	N
1689	SA	250000	М	38	PS	35000	-0.50707	N
1690	SA	250000	F	59	S	15000	-0.09055	U
1691	SA	250000	M	32	S	35000	-0.12109	U
1692	SA	250000	F	52	S	15000	-1.10692	N
1693	SA	250000	F	21	PS	15000	-0.89847	N
1694	SA	250000	F	23	PS	35000	-1.29617	N
1695	SA	250000	M	36	S	75000	1.25914	Y
1696	SA	250000	M	65	Р	35000	1.55312	Y
1697	SA	250000	М	29	PS	35000	-1.06618	<na></na>
1698	SA	250000	F	47	S	35000	0.16230	U
1699	SA	250000	F	32	Р	2500	1.29311	Y
1700	SA	250000	F	51	Р	15000	1.14251	<na></na>
1701	SA	250000	F	44	PS	125000	1.47615	Y
1702	SA	250000	М	57	Р	35000	-1.29617	N
1703	SA	250000	М	50	Р	15000	0.65460	Y
1704	SA	250000	М	35	S	35000	0.36224	U
1705	SA	250000	F	20	PS	35000	0.88345	Y
1706	SA	250000	F	48	S	35000	-0.11023	U
1707	SA	250000	F	33	S	35000	0.94201	Y
1708	SA	250000	М	20	S	35000	0.42371	N
1709	SA	250000	М	36	S	35000	0.35407	Y
1710	SA	250000	М	70	S	15000	1.41030	Y
1711	SA	250000	М	67	P	7500	-1.07308	N
-		-			-			-

1712	SA	250000	M	25	S	15000	0.02663	U
1713	SA	250000	M	37	S	15000	-0.92721	N
1714	SA	250000	F	26	S	15000	1.36523	Y
1715	SA	250000	F	39	S	15000	0.63292	Y
1716	SA	250000	M	45	P	15000	-0.68375	N
1717	SA	250000	M	24	PS	35000	1.47164	Y
1718	SA	250000	F	32	P	7500	1.20920	U
1719	SA	250000	F	45	P	15000	-1.26247	N
1720	SA	250000	M	50	P	7500	-1.29617	N
1721	SA	250000	F	40	P	15000	-0.77529	U
1722	SA	250000	F	19	S	NA	0.13859	<na></na>
1723	SA	250000	M	35	PS	75000	-0.83220	N
1724	SA	250000	M	28	S	15000	1.37129	Y
1725	SA	250000	M	47	P	7500	-1.29617	N
1726	SA	250000	M	21	S	15000	-1.04205	N
1727	SA	250000	M	53	P	35000	-0.89545	<na></na>
1728	SA	250000	F	39	P	35000	-1.17235	N
1729	SA	250000	F	20	PS	35000	-0.04348	N
1730	SA	250000	M	63	P	15000	1.58770	Y
1731	SA	250000	M	32	S	2500	-0.62650	N
1732	SA	250000	M	50	P	15000	0.69498	<na></na>
1733	SA	250000	F	43	P	15000	1.33205	Y
1734	SA	250000	M	30	S	35000	1.24611	Y
1735	SA	250000	F	20	S	15000	1.41860	Y
1736	SA	250000	M	56	P	35000	-0.24431	U
1737	SA	250000	M	36	PS	35000	-1.29617	Α
1738	SA	250000	M	27	PS	35000	-0.76483	N
1739	SA	250000	F	20	P	7500	0.96737	Y
1740	SA	250000	M	40	PS	35000	-1.25666	<na></na>
1741	SA	250000	F	24	S	7500	-1.29617	N
1742	SA	250000	F	49	P	35000	-1.06985	N
1743	SA	250000	M	41	PS	35000	-0.25322	U
1744	SA	250000	M	18	S	35000	0.27038	N
1745	SA	250000	F	31	S	35000	1.60510	U
1746	SA	250000	M	52	P	NA		<na></na>
1747	SA	250000	M	28	PS	35000	-0.57520	<na></na>
1748	SA	250000	F	70	S	NA	0.75064	Α
1749	SA	250000	M	37	PS	35000	-0.55383	N
1750	SA	250000	F	22	S	75000	1.40347	Y
1751	SA	250000	F	55	S	35000	-0.39484	U
1752	SA	250000	M	22	S	35000	-0.19563	U
1753	SA	250000	M	61	P	35000	0.46818	U
1754	SA	250000	M	62	P	35000	-0.40587	U
1755	SA	250000	F	58	S	35000	1.24625	
1756	SA	250000	F	27	P	125000	0.68235	A
1757	SA	250000	F	19	S	7500	0.48183	U

1758	SA	250000	F	46	S	35000	-1.26441	Α
1759	SA	250000	М	36	S	15000	-1.18540	N
1760	SA	250000	F	60	P	35000	0.38340	Y
1761	SA	250000	М	34	PS	35000	0.54921	U
1762	SA	250000	F	23	S	7500	-1.30482	<na></na>
1763	SA	250000	М	22	S	15000	-1.11582	Α
1764	SA	250000	F	47	P	15000	0.83048	Y
1765	SA	250000	М	43	S	35000	-0.18260	N
1766	SA	250000	M	49	P	35000	0.74014	U
1767	SA	250000	М	57	P	7500	-1.29617	N
1768	SA	250000	F	37	S	35000	-0.30030	U
1769	SA	250000	М	25	S	35000	-1.29617	N
1770	SA	250000	F	44	P	15000	1.32555	Y
1771	SA	250000	F	19	P	15000	-0.47883	U
1772	SA	250000	F	31	S	NA	1.41649	Α
1773	SA	250000	М	24	S	15000	0.72708	Y
1774	SA	250000	F	63	P	NA	NA	U
1775	SA	250000	М	38	P	NA	0.65890	<na></na>
1776	SA	250000	F	19	PS	35000	-0.82327	N
1777	SA	250000	М	49	<na></na>	NA	NA	<na></na>
1778	SA	250000	М	18	S	15000	-1.25656	N
1779	SA	250000	F	38	P	15000	-1.29617	N
1780	SA	250000	F	36	S	2500	0.00744	U
1781	SA	250000	F	69	P	15000	1.25678	Y
1782	SA	250000	М	21	PS	75000	0.28707	Y
1783	SA	250000	F	25	PS	15000	1.09971	Α
1784	SA	250000	М	42	S	35000	-0.62392	Y
1785	SA	250000	М	55	<na></na>	7500	-1.12929	U
1786	SA	250000	М	49	S	35000	1.50986	Y
1787	SA	250000	М	31	PS	35000	-1.29617	<na></na>
1788	SA	250000	F	40	S	15000	0.29175	U
1789	SA	250000	F	28	PS	75000	NA	U
1790	SA	250000	F	53	PS	15000	-0.27889	Α
1791	SA	250000	М	22	S	35000	-0.43626	N
1792	SA	250000	М	45	S	35000	-0.18888	Α
1793	SA	250000	F	18	S	200000	-1.18011	N
1794	SA	250000	F	42	PS	35000	1.15278	<na></na>
1795	SA	250000	F	46	S	NA	2.02141	U
1796	SA	250000	F	21	PS	15000	-1.21834	N
1797	SA	250000	М	19	S	7500	-0.83080	N
1798	SA	250000	F	59	P	15000	-1.04005	U
1799	SA	250000	F	60	Р	35000	-0.68090	N
1800	SA	250000	М	55	P	2500	-0.61862	<na></na>
1801	SA	250000	F	20	P	15000	-1.13038	N
1802	SA	250000	F	62	S	75000	1.58770	Y
1803	SA	250000	М	24	S	15000	-0.14715	Y
		-				-		

1804	SA	250000	F	70	P	35000	1.55399	Y
1805	SA	250000	M	42	S	35000	1.50846	Α
1806	SA	250000	M	21	PS	35000	-1.22285	N
1807	SA	250000	F	50	S	75000	0.22716	Y
1808	SA	250000	F	60	P	35000	-0.57897	U
1809	SA	250000	F	22	P	75000	-1.12024	N
1810	SA	250000	M	NA	P	15000	-1.08507	U
1811	SA	250000	F	56	S	35000	0.53532	Y
1812	SA	250000	M	70	P	35000	1.42686	<na></na>
1813	SA	250000	M	22	S	15000	-1.29617	N
1814	SA	250000	F	42	S	35000	0.93400	Y
1815	SA	250000	M	53	P	15000	1.42770	Y
1816	SA	250000	F	30	S	15000	-1.26325	N
1817	SA	250000	M	24	PS	200000	-1.00115	N
1818	SA	250000	F	55	P	15000	0.14613	<na></na>
1819	SA	250000	F	37	S	35000	0.91144	Y
1820	SA	250000	M	55	PS	15000	-1.02974	N
1821	SA	250000	M	41	S	75000	-1.04685	N
1822	SA	250000	F	21	S	35000	-0.94650	Α
1823	SA	250000	F	36	S	7500	-0.40386	Α
1824	SA	250000	F	29	P	15000	-0.73164	Α
1825	SA	250000	M	21	S	75000	-0.08700	U
1826	SA	250000	М	55	P	15000	-1.16446	N
1827	SA	250000	М	62	S	15000	-0.44734	<na></na>
1828	SA	250000	F	59	S	15000	0.70457	U
1829	SA	250000	М	27	S	35000	0.18113	U
1830	SA	250000	F	30	S	35000	0.71686	Α
1831	SA	250000	М	18	P	15000	-0.03066	<na></na>
1832	SA	250000	F	44	Р	7500	-0.70865	U
1833	SA	250000	М	58	Р	35000	-1.29617	N
1834	SA	250000	F	30	S	15000	-1.29617	N
1835	SA	250000	F	44	Р	7500	-1.22040	N
1836	SA	250000	M	52	Р	15000	0.94667	Y
1837	SA	250000	F	30	S	15000	-0.92566	N
1838	SA	250000	М	20	S	15000	-0.27723	U
1839	SA	250000	F	59	Р	7500	-0.55051	U
1840	SA	250000	M	18	S	15000	1.20547	Y
1841	SA	250000	M	24	S	35000	1.15313	Α
1842	SA	250000	F	39	P	NA	0.47939	U
1843	SA	250000	F	21	S	35000	1.32923	Y
1844	SA	250000	М	49	P	7500	-0.15941	Ū
1845	SA	250000	М	58	S	35000	0.12745	Y
1846	SA	250000	F	25	S	15000	-1.30809	A
1847	SA	250000	М	21	S	35000	-1.11348	N
1848	SA	250000	F	60	S	15000	0.52689	U
1849	SA	250000	М	54	P	7500	-1.30296	U
1010	DА	200000	- 1	ΟŦ	1	, 500	1.00200	U

1850									
1852 SA 250000 M 49 S 35000 -0.95176 N 1853 SA 250000 F 54 P 2500 -0.25607 Y 1854 SA 250000 F 36 S 15000 -0.80663 U 1855 SA 250000 F 36 S 15000 -0.82026 U 1857 SA 250000 F 32 PS NA 0.31918 A 1858 SA 250000 M 42 S 35000 0.00476 U 1860 SA 250000 M 42 S 35000 0.0476 U 1861 SA 250000 M 35 S 15000 0.24119 U 1861 SA 250000 M 24 PS 35000 0.076975 A 1862 SA 250000 M 54 P 7500 <td>1850</td> <td>SA</td> <td>250000</td> <td>F</td> <td>43</td> <td>P</td> <td>7500</td> <td>-1.29617</td> <td>N</td>	1850	SA	250000	F	43	P	7500	-1.29617	N
1853 SA 250000 F 54 P 2500 -0.25607 Y 1854 SA 250000 F 19 S 15000 -0.80563 U 1855 SA 250000 F 58 P 15000 0.82026 U 1857 SA 250000 F 58 P 15000 -1.07772 <na> 1858 SA 250000 M 52 P 75000 -1.07772 <na> 1860 SA 250000 M 42 S 35000 0.0476 U 1861 SA 250000 F 24 P 35000 -0.76975 A 1861 SA 250000 F 24 P 35000 -0.76975 A 1862 SA 250000 M 54 P 7500 0.32214 U 1863 SA 250000 M 54 P</na></na>	1851	SA	250000	М	30	S	15000	0.66365	N
1854 SA 250000 F 19 S 15000 -0.80563 U 1855 SA 250000 F 36 S 15000 -1.17637 U 1857 SA 250000 F 32 PS NA 0.31918 A 1858 SA 250000 M 52 P 75000 -1.07772 <na> 1859 SA 250000 M 42 S 35000 0.00476 U 1860 SA 250000 M 42 S 35000 0.04476 U 1861 SA 250000 F 44 P 35000 -0.76908 A 1861 SA 250000 F 23 PS 75000 0.17177 Y 1863 SA 250000 M 24 PS 35000 -0.76975 A 1864 SA 250000 M 54 P 7</na>	1852	SA	250000	М	49	S	35000	-0.95176	N
1855 SA 250000 F 36 S 15000 -1.17637 U 1856 SA 250000 F 58 P 15000 0.82026 U 1857 SA 250000 F 32 PS NA 0.31918 A 1858 SA 250000 M 52 PP 75000 -1.07772 <na> 1860 SA 250000 M 42 S 35000 0.0476 U 1861 SA 250000 F 44 P 35000 -0.69008 A 1862 SA 250000 F 23 PS 75000 0.17177 Y 1863 SA 250000 M 24 PP 35000 -0.76975 A 1864 SA 250000 M 60 P 35000 -1.29617 NA> 1865 SA 250000 M 33 P <t< td=""><td>1853</td><td>SA</td><td>250000</td><td>F</td><td>54</td><td>P</td><td>2500</td><td>-0.25607</td><td>Y</td></t<></na>	1853	SA	250000	F	54	P	2500	-0.25607	Y
1856 SA 250000 F 58 P 15000 0.82026 U 1857 SA 250000 F 32 PS NA 0.31918 A 1858 SA 250000 M 52 P 75000 -1.07772 <na> 1860 SA 250000 M 35 S 15000 0.24119 U 1861 SA 250000 F 44 P 35000 -0.69008 A 1862 SA 250000 F 24 P 35000 -0.76975 A 1863 SA 250000 M 60 P 35000 -0.76975 A 1865 SA 250000 M 60 P 35000 -1.58770 Y 1866 SA 250000 M 33 P 2500 -1.29617 NA 1867 SA 250000 F 70 P NA</na>	1854	SA	250000	F	19	S	15000	-0.80563	U
1857 SA 250000 F 32 PS NA 0.31918 A 1858 SA 250000 M 52 P 75000 -1.07772 <na> 1859 SA 250000 M 42 S 35000 0.00476 U 1860 SA 250000 M 35 S 15000 -0.69008 A 1861 SA 250000 F 23 PS 75000 0.17177 Y 1863 SA 250000 M 24 PS 35000 -0.76975 A 1864 SA 250000 M 60 P 35000 -0.76975 A 1865 SA 250000 M 54 P 7500 0.32214 U 1866 SA 250000 F 70 P NA 0.75768 U 1867 SA 250000 F 35 S 2500<!--</td--><td>1855</td><td>SA</td><td>250000</td><td>F</td><td>36</td><td>S</td><td>15000</td><td>-1.17637</td><td>U</td></na>	1855	SA	250000	F	36	S	15000	-1.17637	U
1858 SA 250000 M 52 P 75000 -1.07772 <na> 1859 SA 250000 M 42 S 35000 0.00476 U 1860 SA 250000 F 44 P 35000 -0.69008 A 1861 SA 250000 F 24 P 35000 -0.69008 A 1862 SA 250000 M 24 PS 35000 -0.76975 A 1863 SA 250000 M 60 P 35000 -1.58770 Y 1865 SA 250000 M 54 P 7500 0.32214 U 1866 SA 250000 M 54 P 7500 0.32214 U 1867 SA 250000 F 70 P NA 0.75768 U 1869 SA 250000 F 35 S 2500<</na>	1856	SA	250000	F	58	P	15000	0.82026	U
1859 SA 250000 M 42 S 35000 0.00476 U 1860 SA 250000 M 35 S 15000 0.24119 U 1861 SA 250000 F 44 P 35000 -0.69008 A 1862 SA 250000 F 23 PS 75000 0.17177 Y 1863 SA 250000 M 60 P 35000 -0.76975 A 1864 SA 250000 M 54 P 7500 0.32214 U 1865 SA 250000 M 33 P 2500 -1.29617 NA> 1866 SA 250000 F 70 P NA 0.75768 U 1867 SA 250000 F 38 P 35000 -0.71844 Y 1869 SA 250000 F 38 P 35000 </td <td>1857</td> <td>SA</td> <td>250000</td> <td>F</td> <td>32</td> <td>PS</td> <td>NA</td> <td>0.31918</td> <td>Α</td>	1857	SA	250000	F	32	PS	NA	0.31918	Α
1860 SA 250000 M 35 S 15000 0.24119 U 1861 SA 250000 F 44 P 35000 -0.69008 A 1862 SA 250000 F 23 PS 75000 0.17177 Y 1863 SA 250000 M 24 PS 35000 -0.76975 A 1864 SA 250000 M 60 P 35000 1.58770 Y 1865 SA 250000 M 54 P 7500 0.32214 U 1866 SA 250000 F 70 P NA 0.75768 U 1867 SA 250000 F 38 P 35000 -0.71844 Y 1869 SA 250000 F 35 S 2500 -1.27270 <na> 1870 SA 250000 M 40 S 35000</na>	1858	SA	250000	М	52	P	75000	-1.07772	<na></na>
1861 SA 250000 F 44 P 35000 -0.69008 A 1862 SA 250000 F 23 PS 75000 0.17177 Y 1863 SA 250000 M 24 PS 35000 -0.76975 A 1864 SA 250000 M 60 P 35000 -0.76975 A 1865 SA 250000 M 60 P 35000 1.58770 Y 1866 SA 250000 M 33 P 2500 -1.29617 NA> 1867 SA 250000 F 70 P NA 0.75768 U 1868 SA 250000 F 35 S 2500 -1.27270 <na< td=""> 1869 SA 250000 F 35 S 2500 -1.27270 <na< td=""> 1871 SA 250000 M 18 S 7</na<></na<>	1859	SA	250000	M	42	S	35000	0.00476	U
1862 SA 250000 F 23 PS 75000 0.17177 Y 1863 SA 250000 M 24 PS 35000 -0.76975 A 1864 SA 250000 M 60 P 35000 1.58770 Y 1865 SA 250000 M 54 P 7500 0.32214 U 1866 SA 250000 M 33 P 2500 -1.29617 NA 1867 SA 250000 F 70 P NA 0.75768 Y 1868 SA 250000 F 35 S 2500 -1.27270 NA> 1870 SA 250000 F 35 S 2500 -1.27270 NA> 1871 SA 250000 M 40 S 35000 -1.27270 NA> 1871 SA 250000 M 43 PS 7	1860	SA	250000	М	35	S	15000	0.24119	U
1863 SA 250000 M 24 PS 35000 -0.76975 A 1864 SA 250000 M 60 P 35000 1.58770 Y 1865 SA 250000 M 54 P 7500 0.32214 U 1866 SA 250000 F 70 P NA 0.75768 U 1867 SA 250000 F 70 P NA 0.75768 U 1868 SA 250000 F 35 S 2500 -1.27270 <na< td=""> 1870 SA 250000 F 35 S 2500 -1.29617 N 1871 SA 250000 M 40 S 35000 -1.29617 N 1871 SA 250000 M 43 P 35000 0.00095 U 1872 SA 250000 M 43 PS 75000</na<>	1861	SA	250000	F	44	P	35000	-0.69008	Α
1864 SA 250000 M 60 P 35000 1.58770 Y 1865 SA 250000 M 54 P 7500 0.32214 U 1866 SA 250000 M 33 P 2500 -1.29617 <na> 1867 SA 250000 F 70 P NA 0.75768 U 1868 SA 250000 F 38 P 35000 -0.71844 Y 1869 SA 250000 F 35 S 2500 -1.27270 <na> 1870 SA 250000 M 40 S 35000 -1.29617 N 1871 SA 250000 M 18 S 7500 -0.60959 U 1872 SA 250000 M 43 PS 75000 -0.60959 U 1873 SA 250000 M 43 PS 75</na></na>	1862	SA	250000	F	23	PS	75000	0.17177	Y
1865 SA 250000 M 54 P 7500 0.32214 U 1866 SA 250000 M 33 P 2500 -1.29617 <na> 1867 SA 250000 F 70 P NA 0.75768 U 1868 SA 250000 F 38 P 35000 -0.71844 Y 1869 SA 250000 M 40 S 35000 -1.27270 <na> 1870 SA 250000 M 40 S 35000 -1.29617 N 1871 SA 250000 M 48 S 7500 -0.60959 U 1872 SA 250000 F 49 P 35000 0.90167 Y 1872 SA 250000 F 49 P 35000 0.90167 Y 1874 SA 250000 F 34 PS 750</na></na>	1863	SA	250000	М	24	PS	35000	-0.76975	Α
1866 SA 250000 M 33 P 2500 -1.29617 <na> 1867 SA 250000 F 70 P NA 0.75768 U 1868 SA 250000 F 38 P 35000 -0.71844 Y 1869 SA 250000 F 35 S 2500 -1.27270 <na> 1870 SA 250000 M 40 S 35000 -1.29617 N 1871 SA 250000 M 40 S 35000 -1.29617 N 1872 SA 250000 F 49 P 35000 0.90167 Y 1873 SA 250000 F 49 P 35000 0.90167 Y 1874 SA 250000 F 34 PS 75000 -1.22424 N 1875 SA 250000 F 54 P 35000 -1.20351 N 1876 SA 250000 F 26 S</na></na>	1864	SA	250000	М	60	P	35000	1.58770	Y
1867 SA 250000 F 70 P NA 0.75768 U 1868 SA 250000 F 38 P 35000 -0.71844 Y 1869 SA 250000 F 35 S 2500 -1.27270 <na> 1870 SA 250000 M 40 S 35000 -1.29617 N 1871 SA 250000 M 18 S 7500 -0.60959 U 1872 SA 250000 F 49 P 35000 0.90167 Y 1873 SA 250000 F 49 P 35000 0.90167 Y 1874 SA 250000 F 34 PS 75000 -1.22424 N 1875 SA 250000 F 54 P 35000 0.00320 U 1876 SA 250000 M 18 S 35000</na>	1865	SA	250000	М	54	P	7500	0.32214	U
1868 SA 250000 F 38 P 35000 -0.71844 Y 1869 SA 250000 F 35 S 2500 -1.27270 <na> 1870 SA 250000 M 40 S 35000 -1.29617 N 1871 SA 250000 M 18 S 7500 -0.60959 U 1872 SA 250000 F 49 P 35000 0.90167 Y 1873 SA 250000 M 43 PS 75000 1.33092 Y 1874 SA 250000 F 34 PS 75000 -1.22424 N 1875 SA 250000 F 54 P 35000 0.00320 U 1876 SA 250000 F 26 S 7500 -1.12120 U 1877 SA 250000 F 26 S 7</na>	1866	SA	250000	М	33	P	2500	-1.29617	<na></na>
1869 SA 250000 F 35 S 2500 -1.27270 <na> 1870 SA 250000 M 40 S 35000 -1.29617 N 1871 SA 250000 M 18 S 7500 -0.60959 U 1872 SA 250000 F 49 P 35000 0.90167 Y 1873 SA 250000 F 49 P 35000 0.90167 Y 1874 SA 250000 F 34 PS 75000 -1.22424 N 1875 SA 250000 F 54 P 35000 0.00320 U 1876 SA 250000 F 54 P 35000 -0.0320 U 1877 SA 250000 F 26 S 7500 -1.12120 U 1878 SA 250000 M 52 S 7500 <t< td=""><td>1867</td><td>SA</td><td>250000</td><td>F</td><td>70</td><td>P</td><td>NA</td><td>0.75768</td><td>U</td></t<></na>	1867	SA	250000	F	70	P	NA	0.75768	U
1870 SA 250000 M 40 S 35000 -1.29617 N 1871 SA 250000 M 18 S 7500 -0.60959 U 1872 SA 250000 F 49 P 35000 0.90167 Y 1873 SA 250000 M 43 PS 75000 1.33092 Y 1874 SA 250000 F 34 PS 75000 -1.22424 N 1875 SA 250000 F 54 P 35000 0.00320 U 1876 SA 250000 M 18 S 35000 -1.30351 N 1877 SA 250000 F 26 S 7500 -1.12120 U 1878 SA 250000 F 68 <na>> 7500 0.88202 Y 1879 SA 250000 M 52 S 7</na>	1868	SA	250000	F	38	P	35000	-0.71844	Y
1871 SA 250000 M 18 S 7500 -0.60959 U 1872 SA 250000 F 49 P 35000 0.90167 Y 1873 SA 250000 M 43 PS 75000 1.33092 Y 1874 SA 250000 F 34 PS 75000 -1.22424 N 1875 SA 250000 F 54 P 35000 0.00320 U 1876 SA 250000 M 18 S 35000 -1.30351 N 1877 SA 250000 F 26 S 7500 -1.12120 U 1878 SA 250000 F 68 <na>> 7500 0.88202 Y 1879 SA 250000 M 55 S 2500 -1.19120 N 1880 SA 250000 M 23 S 15</na>	1869	SA	250000	F	35	S	2500	-1.27270	<na></na>
1872 SA 250000 F 49 P 35000 0.90167 Y 1873 SA 250000 M 43 PS 75000 1.33092 Y 1874 SA 250000 F 34 PS 75000 -1.22424 N 1875 SA 250000 F 54 P 35000 0.00320 U 1876 SA 250000 M 18 S 35000 -1.30351 N 1877 SA 250000 F 26 S 7500 -1.12120 U 1878 SA 250000 F 68 <na>> 7500 -1.12120 U 1879 SA 250000 M 52 S 7500 -1.19120 Y 1880 SA 250000 M 55 S 2500 -1.29617 N 1881 SA 250000 M 23 S 1</na>	1870	SA	250000	М	40	S	35000	-1.29617	N
1873 SA 250000 M 43 PS 75000 1.33092 Y 1874 SA 250000 F 34 PS 75000 -1.22424 N 1875 SA 250000 F 54 P 35000 -1.30351 N 1876 SA 250000 M 18 S 35000 -1.30351 N 1877 SA 250000 F 26 S 7500 -1.12120 U 1878 SA 250000 F 68 <na> 7500 0.88202 Y 1879 SA 250000 M 52 S 7500 1.19812 Y 1880 SA 250000 M 55 S 2500 -1.29617 N 1881 SA 250000 M 38 P 15000 -1.19739 N 1882 SA 250000 F 36 P 25</na>	1871	SA	250000	М	18	S	7500	-0.60959	U
1874 SA 250000 F 34 PS 75000 -1.22424 N 1875 SA 250000 F 54 P 35000 0.00320 U 1876 SA 250000 M 18 S 35000 -1.30351 N 1877 SA 250000 F 26 S 7500 -1.12120 U 1878 SA 250000 F 68 <na>> 7500 0.88202 Y 1879 SA 250000 M 52 S 7500 1.19812 Y 1880 SA 250000 M 55 S 2500 -1.29617 N 1881 SA 250000 M 23 S 15000 -1.19739 N 1882 SA 250000 F 36 P 2500 -1.05197 U 1884 SA 250000 F 36 P 7500 <t< td=""><td>1872</td><td>SA</td><td>250000</td><td>F</td><td>49</td><td>P</td><td>35000</td><td>0.90167</td><td>Y</td></t<></na>	1872	SA	250000	F	49	P	35000	0.90167	Y
1875 SA 250000 F 54 P 35000 0.00320 U 1876 SA 250000 M 18 S 35000 -1.30351 N 1877 SA 250000 F 26 S 7500 -1.12120 U 1878 SA 250000 F 68 <na> 7500 0.88202 Y 1879 SA 250000 M 52 S 7500 1.19812 Y 1880 SA 250000 M 55 S 2500 -1.29617 N 1881 SA 250000 M 23 S 15000 -1.29617 N 1882 SA 250000 M 38 P 15000 -1.19739 N 1883 SA 250000 F 36 P 2500 -1.05197 U 1884 SA 250000 F 46 P 7500<</na>	1873	SA	250000	М	43	PS	75000	1.33092	Y
1876 SA 250000 M 18 S 35000 -1.30351 N 1877 SA 250000 F 26 S 7500 -1.12120 U 1878 SA 250000 F 68 <na> 7500 0.88202 Y 1879 SA 250000 M 52 S 7500 1.19812 Y 1880 SA 250000 M 55 S 2500 -1.29617 N 1881 SA 250000 M 23 S 15000 -1.29617 N 1882 SA 250000 M 38 P 15000 -1.19739 N 1883 SA 250000 F 36 P 2500 -1.05197 U 1884 SA 250000 F 46 P 7500 -0.98023 N 1885 SA 250000 F 33 P 7500<</na>	1874	SA	250000	F	34	PS	75000	-1.22424	N
1877 SA 250000 F 26 S 7500 -1.12120 U 1878 SA 250000 F 68 <na> 7500 0.88202 Y 1879 SA 250000 M 52 S 7500 1.19812 Y 1880 SA 250000 M 55 S 2500 -1.29617 N 1881 SA 250000 M 23 S 15000 -1.29617 N 1882 SA 250000 M 38 P 15000 -1.19739 N 1883 SA 250000 F 36 P 2500 -1.05197 U 1884 SA 250000 F 46 P 7500 -0.98023 N 1885 SA 250000 F 33 P 7500 -1.12528 N 1887 SA 250000 M 43 S 15000<</na>	1875	SA	250000	F	54	P	35000	0.00320	U
1878 SA 250000 F 68 <na> 7500 0.88202 Y 1879 SA 250000 M 52 S 7500 1.19812 Y 1880 SA 250000 M 55 S 2500 -1.29617 N 1881 SA 250000 M 23 S 15000 -1.29617 N 1882 SA 250000 M 38 P 15000 -1.19739 N 1883 SA 250000 F 36 P 2500 -1.05197 U 1884 SA 250000 F 36 P 2500 -1.05197 U 1884 SA 250000 F 46 P 7500 -0.98023 N 1885 SA 250000 F 33 P 7500 -1.12528 N 1887 SA 250000 M 43 S 15000<</na>	1876	SA	250000	М	18	S	35000	-1.30351	N
1879 SA 250000 M 52 S 7500 1.19812 Y 1880 SA 250000 M 55 S 2500 -1.29617 N 1881 SA 250000 M 23 S 15000 -1.29617 N 1882 SA 250000 M 38 P 15000 -1.19739 N 1883 SA 250000 F 36 P 2500 -1.05197 U 1884 SA 250000 F 36 P 2500 -1.05197 U 1884 SA 250000 F 46 P 7500 -0.98023 N 1885 SA 250000 F 33 P 7500 -0.98023 N 1886 SA 250000 M 43 S 15000 0.15515 U 1887 SA 250000 M 49 P 15000 <td>1877</td> <td>SA</td> <td>250000</td> <td>F</td> <td>26</td> <td>S</td> <td>7500</td> <td>-1.12120</td> <td>U</td>	1877	SA	250000	F	26	S	7500	-1.12120	U
1880 SA 250000 M 55 S 2500 -1.29617 N 1881 SA 250000 M 23 S 15000 -1.29617 N 1882 SA 250000 M 38 P 15000 -1.19739 N 1883 SA 250000 F 36 P 2500 -1.05197 U 1884 SA 250000 F 46 P 7500 -0.98023 N 1885 SA 250000 F 33 P 7500 -0.98023 N 1886 SA 250000 F 33 P 7500 -1.12528 N 1887 SA 250000 M 43 S 15000 0.15515 U 1887 SA 250000 M 49 P 15000 1.35626 Y 1889 SA 250000 F 56 P 7500 <td>1878</td> <td>SA</td> <td>250000</td> <td>F</td> <td>68</td> <td><na></na></td> <td>7500</td> <td>0.88202</td> <td>Y</td>	1878	SA	250000	F	68	<na></na>	7500	0.88202	Y
1881 SA 250000 M 23 S 15000 -1.29617 N 1882 SA 250000 M 38 P 15000 -1.19739 N 1883 SA 250000 F 36 P 2500 -1.05197 U 1884 SA 250000 F 46 P 7500 -0.98023 N 1885 SA 250000 F 33 P 7500 -1.12528 N 1886 SA 250000 M 43 S 15000 0.15515 U 1887 SA 250000 M 21 S 35000 0.60084 Y 1888 SA 250000 M 49 P 15000 1.19147 Y 1890 SA 250000 F 56 P 7500 0.38583 Y 1891 SA 250000 F 35 P 7500 <td>1879</td> <td>SA</td> <td>250000</td> <td>М</td> <td>52</td> <td>S</td> <td>7500</td> <td>1.19812</td> <td>Y</td>	1879	SA	250000	М	52	S	7500	1.19812	Y
1882 SA 250000 M 38 P 15000 -1.19739 N 1883 SA 250000 F 36 P 2500 -1.05197 U 1884 SA 250000 F 46 P 7500 -0.98023 N 1885 SA 250000 F 33 P 7500 -1.12528 N 1886 SA 250000 M 43 S 15000 0.15515 U 1887 SA 250000 M 21 S 35000 0.60084 Y 1888 SA 250000 M 49 P 15000 1.35626 Y 1889 SA 250000 F 21 P 15000 1.19147 Y 1890 SA 250000 F 56 P 7500 0.38583 Y 1891 SA 250000 F 35 P 7500	1880	SA	250000	М	55	S	2500	-1.29617	N
1883 SA 250000 F 36 P 2500 -1.05197 U 1884 SA 250000 F 46 P 7500 -0.98023 N 1885 SA 250000 F 33 P 7500 -1.12528 N 1886 SA 250000 M 43 S 15000 0.15515 U 1887 SA 250000 M 21 S 35000 0.60084 Y 1888 SA 250000 M 49 P 15000 1.35626 Y 1889 SA 250000 F 21 P 15000 1.19147 Y 1890 SA 250000 F 56 P 7500 0.38583 Y 1891 SA 250000 F 35 P 7500 -0.80037 U 1892 SA 250000 M 18 S 15000	1881	SA	250000	М	23	S	15000	-1.29617	N
1884 SA 250000 F 46 P 7500 -0.98023 N 1885 SA 250000 F 33 P 7500 -1.12528 N 1886 SA 250000 M 43 S 15000 0.15515 U 1887 SA 250000 M 21 S 35000 0.60084 Y 1888 SA 250000 M 49 P 15000 1.35626 Y 1889 SA 250000 F 21 P 15000 1.19147 Y 1890 SA 250000 F 56 P 7500 0.38583 Y 1891 SA 250000 F 35 P 7500 -0.80037 U 1892 SA 250000 M 18 S 15000 1.02608 Y 1893 SA 250000 F 41 P 2500	1882	SA	250000	М	38	P	15000	-1.19739	N
1885 SA 250000 F 33 P 7500 -1.12528 N 1886 SA 250000 M 43 S 15000 0.15515 U 1887 SA 250000 M 21 S 35000 0.60084 Y 1888 SA 250000 M 49 P 15000 1.35626 Y 1889 SA 250000 F 21 P 15000 1.19147 Y 1890 SA 250000 F 56 P 7500 0.38583 Y 1891 SA 250000 F 35 P 7500 -0.80037 U 1892 SA 250000 M 18 S 15000 1.02608 Y 1893 SA 250000 F 41 P 2500 -0.41295 U 1894 SA 250000 F 49 P 35000	1883	SA	250000	F	36	P	2500	-1.05197	U
1886 SA 250000 M 43 S 15000 0.15515 U 1887 SA 250000 M 21 S 35000 0.60084 Y 1888 SA 250000 M 49 P 15000 1.35626 Y 1889 SA 250000 F 21 P 15000 1.19147 Y 1890 SA 250000 F 56 P 7500 0.38583 Y 1891 SA 250000 F 35 P 7500 -0.80037 U 1892 SA 250000 M 18 S 15000 1.02608 Y 1893 SA 250000 F 41 P 2500 -0.41295 U 1894 SA 250000 F 49 P 35000 0.38253 U	1884	SA	250000	F	46	P	7500	-0.98023	N
1887 SA 250000 M 21 S 35000 0.60084 Y 1888 SA 250000 M 49 P 15000 1.35626 Y 1889 SA 250000 F 21 P 15000 1.19147 Y 1890 SA 250000 F 56 P 7500 0.38583 Y 1891 SA 250000 F 35 P 7500 -0.80037 U 1892 SA 250000 M 18 S 15000 1.02608 Y 1893 SA 250000 F 41 P 2500 -0.41295 U 1894 SA 250000 F 49 P 35000 0.38253 U	1885	SA	250000	F	33	P	7500	-1.12528	N
1888 SA 250000 M 49 P 15000 1.35626 Y 1889 SA 250000 F 21 P 15000 1.19147 Y 1890 SA 250000 F 56 P 7500 0.38583 Y 1891 SA 250000 F 35 P 7500 -0.80037 U 1892 SA 250000 M 18 S 15000 1.02608 Y 1893 SA 250000 F 41 P 2500 -0.41295 U 1894 SA 250000 F 49 P 35000 0.38253 U	1886	SA	250000	М	43	S	15000	0.15515	U
1889 SA 250000 F 21 P 15000 1.19147 Y 1890 SA 250000 F 56 P 7500 0.38583 Y 1891 SA 250000 F 35 P 7500 -0.80037 U 1892 SA 250000 M 18 S 15000 1.02608 Y 1893 SA 250000 F 41 P 2500 -0.41295 U 1894 SA 250000 F 49 P 35000 0.38253 U	1887	SA	250000	М	21	S	35000	0.60084	Y
1890 SA 250000 F 56 P 7500 0.38583 Y 1891 SA 250000 F 35 P 7500 -0.80037 U 1892 SA 250000 M 18 S 15000 1.02608 Y 1893 SA 250000 F 41 P 2500 -0.41295 U 1894 SA 250000 F 49 P 35000 0.38253 U	1888	SA	250000	М	49	P	15000	1.35626	Y
1891 SA 250000 F 35 P 7500 -0.80037 U 1892 SA 250000 M 18 S 15000 1.02608 Y 1893 SA 250000 F 41 P 2500 -0.41295 U 1894 SA 250000 F 49 P 35000 0.38253 U	1889	SA	250000	F	21	P	15000	1.19147	Y
1892 SA 250000 M 18 S 15000 1.02608 Y 1893 SA 250000 F 41 P 2500 -0.41295 U 1894 SA 250000 F 49 P 35000 0.38253 U	1890	SA	250000	F	56	P	7500	0.38583	Y
1893 SA 250000 F 41 P 2500 -0.41295 U 1894 SA 250000 F 49 P 35000 0.38253 U	1891	SA	250000	F	35	Р	7500	-0.80037	U
1894 SA 250000 F 49 P 35000 0.38253 U	1892	SA	250000	М	18	S	15000	1.02608	Y
	1893	SA	250000	F	41	P	2500	-0.41295	U
1895 SA 250000 M 37 S 35000 -1.29617 N	1894	SA	250000	F	49	P	35000	0.38253	U
	1895	SA	250000	M	37	S	35000	-1.29617	N

1896	SA	250000	M	55	P	7500	0.81641	U
1897	SA	250000	F	49	P	2500	1.29338	U
1898	SA	250000	M	22	S	7500	0.87797	N
1899	SA	250000	F	26	S	15000	0.12779	Y
1900	SA	250000	M	51	P	15000	1.47784	Y
1901	SA	250000	F	56	P	15000	-1.29617	N
1902	SA	250000	F	51	<na></na>	7500	0.45718	U
1903	SA	250000	F	30	P	15000	1.03464	U
1904	SA	250000	M	45	S	15000	-1.21834	N
1905	SA	250000	M	31	P	35000	-0.53827	U
1906	SA	250000	M	35	P	7500	-0.93981	U
1907	SA	250000	M	53	P	15000	-1.18011	N
1908	SA	250000	M	63	P	35000	-1.29617	N
1909	SA	250000	F	25	S	7500	1.43653	Y
1910	SA	250000	F	40	P	2500	-1.30469	N
1911	SA	250000	F	54	P	7500	-1.21834	N
1912	SA	250000	F	62	P	35000	0.88557	Y
1913	SA	250000	F	19	S	35000	-1.25795	U
1914	SA	250000	M	26	S	15000	-0.71001	N
1915	SA	250000	M	61	P	7500	1.01062	Y
1916	SA	250000	F	67	<na></na>	15000	1.05155	Y
1917	SA	250000	M	39	P	15000	-0.72982	Α
1918	SA	250000	M	22	P	7500	-0.04564	Y
1919	SA	250000	M	21	S	15000	-1.29617	N
1920	SA	250000	F	59	P	7500	-0.17956	Y
1921	SA	250000	F	37	S	15000	-1.02385	<na></na>
1922	SA	250000	M	65	P	15000	0.04302	U
1923	SA	250000	F	61	P	7500	0.54606	Y
1924	SA	250000	F	30	P	7500	-0.25119	U
1925	SA	250000	M	27	S	35000	0.13241	Y
1926	SA	250000	M	60	P	15000	0.55837	Y
1927	SA	250000	M	33	S	75000	-1.19132	Α
1928	SA	250000	F	32	S	35000	0.38569	U
1929	SA	250000	F	38	S	35000	-1.04685	U
1930	SA	250000	M	56	P	35000	0.41755	Y
1931	SA	250000	F	45	S	15000	0.89367	Y
1932	SA	250000	F	18	S	35000	0.43887	Y
1933	SA	250000	F	39	S	35000	-0.12671	U
1934	SA	250000	M	57	P	15000	0.53539	U
1935	SA	250000	M	51	P	7500	-1.29617	N
1936	SA	250000	M	32	S	15000	-0.84836	N
1937	SA	250000	M	70	P	35000	0.72449	Y
1938	SA	250000	F	20	S	15000	1.00364	Y
1939	SA	250000	F	46	S	7500	-0.42243	N
1940	SA	250000	F	55	P	35000	-0.55903	N
1941	SA	250000	M	23	S	35000	0.22104	Α

1942	SA	250000	F	28	S	15000	-1.29617	N
1943	SA	250000	F	22	S	35000	-1.17702	U
1944	SA	250000	М	23	PS	35000	-1.30351	N
1945	SA	250000	F	37	P	35000	-1.12566	U
1946	SA	250000	М	47	S	15000	-0.80419	U
1947	SA	250000	М	42	P	35000	-0.86525	Α
1948	SA	250000	F	47	S	15000	-1.22502	N
1949	SA	250000	F	45	S	125000	-0.60096	U
1950	SA	250000	М	18	S	75000	-1.06848	N
1951	SA	250000	F	27	P	7500	-0.05229	U
1952	SA	250000	F	48	P	35000	0.58275	Y
1953	SA	250000	F	18	S	35000	-1.29617	N
1954	SA	250000	М	44	PS	75000	-0.59351	<na></na>
1955	SA	250000	F	33	P	2500	-0.32492	U
1956	SA	250000	М	27	S	7500	-1.34392	N
1957	SA	250000	М	48	P	35000	-1.19504	N
1958	SA	250000	F	45	P	35000	-0.49641	U
1959	SA	250000	F	32	PS	35000	-0.93492	U
1960	SA	250000	М	34	P	15000	-0.17177	U
1961	SA	250000	F	36	PS	35000	0.00055	U
1962	SA	250000	М	49	S	125000	-1.25795	N
1963	SA	250000	F	43	S	35000	0.25319	Y
1964	SA	250000	F	19	S	75000	1.35136	Y
1965	SA	250000	М	24	S	35000	-1.15762	N
1966	SA	250000	М	49	PS	35000	-1.14049	N
1967	SA	250000	М	24	PS	75000	-0.96014	N
1968	SA	250000	М	56	S	75000	-1.10273	N
1969	SA	250000	F	47	P	15000	1.54808	Y
1970	SA	250000	F	35	S	15000	-0.35334	Α
1971	SA	250000	М	45	PS	35000	-1.04016	N
1972	SA	250000	F	52	P	35000	1.02747	<na></na>
1973	SA	250000	F	26	S	15000	-1.14952	N
1974	SA	250000	М	48	S	7500	-0.46328	Α
1975	SA	250000	М	20	S	35000	-1.07386	N
1976	SA	250000	F	26	S	125000	0.30352	Y
1977	SA	250000	F	64	P	2500	-1.29617	U
1978	SA	250000	М	41	S	15000	-1.29617	N
1979	SA	250000	М	22	S	35000	0.14497	U
1980	SA	250000	F	42	S	75000	-1.25656	N
1981	SA	250000	F	44	P	2500	-1.29617	N
1982	SA	250000	М	36	P	7500	-1.29617	N
1983	SA	250000	F	24	S	15000	-0.73585	Α
1984	SA	250000	M	19	PS	15000	-0.54187	<na></na>
1985	SA	250000	М	27	S	15000	-0.37315	N
1986	SA	250000	М	24	PS	15000	-0.65961	N
1987	SA	250000	F	30	S	35000	1.24478	Y

1988	SA	250000	F	21	PS	35000	NA	Α
1989	SA	250000	М	47	P	35000	-0.98792	N
1990	SA	250000	F	55	P	15000	-0.10726	Y
1991	SA	250000	F	54	P	7500	-1.29617	N
1992	SA	250000	F	34	P	15000	-1.00272	U
1993	SA	250000	М	30	S	15000	-0.45937	U
1994	SA	250000	М	66	S	35000	-1.31083	<na></na>
1995	SA	250000	M	56	P	35000	-0.40479	Y
1996	SA	250000	F	42	S	15000	-0.35685	U
1997	SA	250000	F	43	P	7500	-1.29617	N
1998	SA	250000	M	68	P	7500	-0.70372	N
1999	SA	250000	F	23	PS	75000	0.11608	U
2000	SA	250000	М	33	S	35000	-1.14049	N
2001	SA	250000	F	69	S	35000	0.34293	U
2002	SA	250000	F	22	PS	75000	-1.26305	Α
2003	SA	250000	М	33	S	15000	-0.10246	Y
2004	SA	250000	F	42	S	75000	1.26053	U
2005	SA	250000	М	62	S	35000	-0.96901	N
2006	SA	250000	F	20	S	35000	-1.29617	N
2007	SA	250000	М	58	PS	35000	-1.29617	N
2008	SA	250000	М	22	PS	35000	-1.15170	N
2009	SA	250000	М	37	S	35000	-1.03486	N
2010	SA	250000	F	42	S	35000	-1.29617	N
2011	SA	250000	F	36	S	35000	0.59220	Y
2012	SA	250000	F	25	S	35000	-1.08055	Α
2013	SA	250000	М	62	S	75000	1.29875	Y
2014	SA	250000	М	34	S	35000	-0.82904	U
2015	SA	250000	F	55	Р	7500	1.15429	U
2016	SA	250000	М	33	PS	75000	-0.86276	N
2017	SA	250000	М	45	S	35000	1.19997	Y
2018	SA	250000	М	60	S	35000	1.58770	Y
2019	SA	250000	F	27	S	7500	-1.29617	N
2020	SA	250000	F	50	S	75000	1.58770	Y
2021	SA	250000	F	58	P	7500	0.31110	<na></na>
2022	SA	250000	М	22	S	35000	-0.78022	U
2023	SA	250000	F	35	P	15000	-0.51037	U
2024	SA	250000	М	60	Р	NA	0.04343	U
2025	SA	250000	М	28	S	7500	-1.29617	N
2026	SA	250000	М	63	P	35000	1.18876	Y
2027	SA	250000	F	27	P	7500	-1.29617	A
2028	SA	250000	М	50	S	35000	-1.23032	U
2029	SA	250000	F	42	P	75000	0.90769	U
2030	SA	250000	М	24	PS	35000	1.41464	Y
2031	SA	250000	F	24	PS	35000	0.06047	A
2032	SA	250000	F	36	P	15000	0.07043	<na></na>
2032	SA	250000	M	28	S	35000	0.07043	U
2000	DA	200000	1.1	20	b	55500	0.00103	U

2034	SA	250000	M	70	S	15000	-0.35884	<na></na>
2035	SA	250000	F	36	S	35000	1.10920	U
2036	SA	250000	M	64	P	2500	-0.23703	U
2037	SA	250000	F	48	P	15000	-0.16364	Α
2038	SA	250000	M	44	PS	15000	-0.32082	U
2039	SA	250000	F	30	S	35000	-0.22533	Α
2040	SA	250000	M	26	S	NA	1.61195	U
2041	SA	250000	F	43	P	7500	0.13591	Y
2042	SA	250000	F	50	Р	15000	0.55670	U
2043	SA	250000	M	60	Р	35000	-0.88715	N
2044	SA	250000	F	22	Р	7500	-0.63484	U
2045	SA	250000	M	23	Р	7500	-1.10367	N
2046	SA	250000	F	60	Р	2500	0.36597	Y
2047	SA	250000	M	19	S	15000	-1.29617	N
2048	SA	250000	F	39	S	7500	-0.56363	U
2049	SA	250000	M	38	Р	15000	-0.40009	N
2050	SA	250000	M	37	S	7500	-0.66692	N
2051	SA	250000	M	35	Р	15000	-1.29617	N
2052	SA	250000	M	59	S	35000	-1.29617	N
2053	SA	250000	F	35	Р	35000	-1.13471	Α
2054	SA	250000	F	68	Р	2500	-1.04685	N
2055	SA	250000	F	42	Р	15000	-0.62868	U
2056	SA	250000	M	25	S	15000	0.45660	Y
2057	SA	250000	F	28	P	7500	-1.29617	N
2058	SA	250000	F	45	P	15000	-0.42882	N
2059	SA	250000	F	38	P	15000	-0.77140	U
2060	SA	250000	M	64	P	NA	-0.25612	Α
2061	SA	250000	F	23	PS	35000	-0.87985	U
2062	SA	250000	F	46	S	35000	-1.29617	N
2063	SA	250000	M	68	S	15000	1.58770	Y
2064	SA	250000	M	65	S	NA	-0.03639	<na></na>
2065	SA	250000	M	21	PS	75000	0.44665	Α
2066	SA	250000	M	25	PS	35000	1.36539	Y
2067	SA	250000	F	36	S	35000	-1.29617	U
2068	SA	250000	M	68	P	15000	1.52184	<na></na>
2069	SA	250000	F	22	PS	35000	0.15722	Α
2070	SA	250000	F	61	S	35000	-1.29617	N
2071	SA	250000	M	19	S	7500	0.47772	Α
2072	SA	250000	M	62	P	35000	-1.21834	N
2073	SA	250000	F	40	P	15000	1.58770	Y
2074	SA	250000	F	21	PS	35000	-1.72594	N
2075	SA	250000	M	37	P	35000	1.36478	<na></na>
2076	SA	250000	F	25	Р	7500	1.51869	Y
2077	SA	250000	M	35	S	35000	-0.89647	U
2078	SA	250000	F	40	Р	7500	1.58770	Y
2079	SA	250000	F	43	S	2500	0.80245	N

2080	SA	250000	M	64	P	7500	-0.91383	U
2081	SA	250000	F	35	S	35000	1.14250	Y
2082	SA	250000	M	67	P	NA	1.38110	Y
2083	SA	250000	F	23	PS	35000	1.51515	Y
2084	SA	250000	F	39	P	75000	0.38980	Y
2085	SA	250000	M	18	PS	75000	1.40042	Y
2086	SA	250000	M	54	S	35000	1.46885	Y
2087	SA	250000	F	21	S	35000	-0.37796	<na></na>
2088	SA	250000	M	34	S	75000	0.49205	<na></na>
2089	SA	250000	M	42	S	125000	-1.21050	N
2090	SA	250000	F	42	S	7500	-0.93171	N
2091	SA	250000	F	60	P	7500	1.37276	Y
2092	SA	250000	F	31	S	15000	-1.29617	Α
2093	SA	250000	M	60	P	7500	0.09968	Y
2094	SA	250000	M	20	P	15000	-1.10678	N
2095	SA	250000	M	25	P	7500	-1.07069	N
2096	SA	250000	M	30	P	7500	0.99912	Y
2097	SA	250000	F	35	S	15000	-0.24978	N
2098	SA	250000	M	65	P	35000	-0.97492	N
2099	SA	250000	F	62	PS	15000	-1.06935	Α
2100	SA	250000	F	50	S	75000	0.15413	Y
2101	SA	250000	F	20	S	35000	-0.73822	U
2102	SA	250000	M	24	P	15000	-1.26247	N
2103	SA	250000	F	61	P	2500	-1.18602	Α
2104	SA	250000	M	44	P	35000	-0.16244	U
2105	SA	250000	M	59	P	7500	-0.97169	U
2106	SA	250000	F	23	P	7500	0.87023	Y
2107	SA	250000	M	22	S	35000	1.17630	U
2108	SA	250000	M	45	P	35000	0.20171	Y
2109	SA	250000	F	40	S	35000	-1.29617	N
2110	SA	250000	F	66	P	35000	-1.29617	N
2111	SA	250000	M	60	P	75000	1.55399	Y
2112	SA	250000	F	29	S	15000	-0.92834	Α
2113	SA	250000	F	38	S	NA	0.51284	U
2114	SA	250000	M	31	S	15000	1.16822	Y
2115	SA	250000	F	29	S	75000	-0.78516	U
2116	SA	250000	M	24	S	15000	-0.67418	Y
2117	SA	250000	M	59	P	35000	1.27849	Y
2118	SA	250000	F	29	S	75000	1.40361	Y
2119	SA	250000	F	48	P	15000	-0.05921	U
2120	SA	250000	F	45	P	35000	-1.03643	Α
2121	SA	250000	M	63	P	7500	-0.20918	<na></na>
2122	SA	250000	F	23	S	35000	-1.15795	N
2123	SA	250000	M	70	P	7500	-1.25795	N
2124	SA	250000	M	34	PS	35000	-1.21777	N
2125	SA	250000	F	52	P	15000	-1.22954	U

2126	SA	250000	F	23	PS	15000	-1.14049	N
2127	SA	250000	M	18	S	35000	-1.25795	N
2128	SA	250000	F	46	<na></na>	15000	-1.29617	N
2129	SA	250000	F	58	P	7500	1.37986	U
2130	SA	250000	M	67	P	15000	-1.26290	U
2131	SA	250000	F	23	P	7500	-0.26963	N
2132	SA	250000	M	43	P	15000	0.16466	U
2133	SA	250000	M	18	S	7500	-0.79979	Y
2134	SA	250000	M	43	P	75000	1.44541	Y
2135	SA	250000	F	45	P	35000	-1.06673	U
2136	SA	250000	F	57	P	7500	0.11796	U
2137	SA	250000	F	23	S	35000	-1.16369	N
2138	SA	250000	F	45	P	15000	1.42782	U
2139	SA	250000	M	37	P	15000	0.50129	N
2140	SA	250000	M	24	S	35000	1.25589	Y
2141	SA	250000	F	40	P	35000	-0.97614	N
2142	SA	250000	F	35	P	7500	1.54808	Y
2143	SA	250000	M	27	S	7500	0.19955	N
2144	SA	250000	M	45	P	35000	1.51515	Y
2145	SA	250000	M	43	P	2500	0.51876	Α
2146	SA	250000	F	32	P	7500	-0.05572	Α
2147	SA	250000	F	57	P	2500	0.19502	U
2148	SA	250000	M	28	S	15000	-0.86034	Α
2149	SA	250000	F	46	P	15000	0.96365	Y
2150	SA	250000	M	38	S	2500	-0.96979	U
2151	SA	250000	F	25	S	15000	1.05131	Y
2152	SA	250000	M	18	S	15000	-0.88433	N
2153	SA	250000	F	39	P	15000	-1.20559	U
2154	SA	250000	M	44	S	7500	-0.07422	U
2155	SA	250000	M	46	P	15000	-1.10080	N
2156	SA	250000	F	20	P	7500	-1.21974	N
2157	SA	250000	F	60	P	15000	-1.11727	U
2158	SA	250000	M	20	S	35000	0.39838	U
2159	SA	250000	F	55	P	2500	-1.19286	N
2160	SA	250000	M	70	P	7500	0.18178	U
2161	SA	250000	F	18	S	15000	0.10006	U
2162	SA	250000	F	50	P	15000	0.14497	U
2163	SA	250000	M	38	P	35000	-1.21834	N
2164	SA	250000	M	55	P	35000	-1.21834	N
2165	SA	250000	M	18	S	35000	1.12067	Y
2166	SA	250000	F	21	S	15000	-1.10757	<na></na>
2167	SA	250000	F	40	P	35000	0.33514	Y
2168	SA	250000	M	21	S	35000	-1.21834	N
2169	SA	250000	M	49	P	15000	-1.21834	N
2170	SA	250000	M	37	S	15000	-1.04094	Y
2171	SA	250000	M	37	S	35000	1.04274	U

N	-1.18151	15000	S	36	M	250000	SA	2172
N	-1.29617	7500	S	24	F	250000	SA	2173
N	-0.91941	15000	PS	25	M	250000	SA	2174
Y	1.53680	7500	P	58	F	250000	SA	2175
Y	1.47476	35000	S	54	F	250000	SA	2176
N	-1.04440	35000	S	53	М	250000	SA	2177
N	-1.05006	NA	S	20	F	250000	SA	2178
N	-1.14719	35000	S	19	М	250000	SA	2179
Y	0.20745	35000	Р	59	М	250000	SA	2180
N	-1.17871	35000	Р	36	F	250000	SA	2181
Y	0.93119	15000	S	31	F	250000	SA	2182
U	1.18721	7500	S	18	М	250000	SA	2183
U	-0.92939	15000	Р	43	М	250000	SA	2184
U	1.18527	15000	S	27	М	250000	SA	2185
U	1.15350	7500	S	25	F	250000	SA	2186
N	-1.29617	15000	Р	45	F	250000	SA	2187
Y	1.23212	35000	S	18	М	250000	SA	2188
Y	1.29875	15000	Р	38	М	250000	SA	2189
U	-0.91715	15000	Р	66	М	250000	SA	2190
Α	-1.29617	15000	Р	55	М	250000	SA	2191
U	-0.29711	15000	Р	37	F	250000	SA	2192
N	-0.76404	15000	Р	39	F	250000	SA	2193
Y	1.54947	2500	Р	65	М	250000	SA	2194
Α	-0.14864	15000	S	29	М	250000	SA	2195
N	-0.45208	15000	Р	39	М	250000	SA	2196
N	-1.29617	15000	S	27	F	250000	SA	2197
<na></na>	0.91960	15000	S	58	F	250000	SA	2198
Α	-1.25656	15000	S	48	F	250000	SA	2199
N	-0.42745	15000	S	18	М	250000	SA	2200
N	-1.17723	75000	PS	27	М	250000	SA	2201
Α	-1.27876	125000	S	56	F	250000	SA	2202
Α	-0.36225	7500	S	21	F	250000	SA	2203
Y	1.44593	75000	PS	36	М	250000	SA	2204
<na></na>	1.28789	35000	Р	61	М	250000	SA	2205
Y	-0.60491	15000	S	28	F	250000	SA	2206
N	-0.67038	35000	PS	33	F	250000	SA	2207
Y	1.33090	35000	Р	51	F	250000	SA	2208
N	-1.02895	35000	PS	51	М	250000	SA	2209
N	-0.55476	15000	PS	22	М	250000	SA	2210
U	-1.10496	15000	P	25	F	250000	SA	2211
N	-0.39733	7500	P	36	F	250000	SA	2212
N	-1.29617	35000	S	45	F	250000	SA	2213
N	-1.29617	7500	P	21	M	250000	SA	2214
N	-1.14103	7500	P	38	М	250000	SA	2215
N	-0.90906	7500	PS	28	F	250000	SA	2216
U	-1.10507	75000	P	68	М	250000	SA	2217

2218	SA	250000	F	36	P	35000	-0.98083	U
2219	SA	250000	F	40	S	15000	-1.29617	N
2220	SA	250000	M	22	PS	15000	-1.23070	N
2221	SA	250000	M	67	PS	35000	0.10540	<na></na>
2222	SA	250000	M	28	PS	125000	-1.29617	N
2223	SA	250000	M	53	P	NA	1.40039	Y
2224	SA	250000	F	58	P	35000	0.93995	U
2225	SA	250000	F	26	S	15000	-0.30841	U
2226	SA	250000	F	69	S	35000	0.26058	U
2227	SA	250000	F	28	PS	35000	-0.86230	U
2228	SA	250000	F	66	P	15000	0.64595	U
2229	SA	250000	M	51	S	35000	1.53157	Y
2230	SA	250000	M	18	S	75000	-0.65243	U
2231	SA	250000	M	68	S	200000	1.48145	Y
2232	SA	250000	M	63	S	35000	1.33680	Y
2233	SA	250000	F	24	S	35000	-0.10004	Α
2234	SA	250000	F	43	S	15000	-0.75506	U
2235	SA	250000	M	22	PS	35000	-0.92939	N
2236	SA	250000	M	19	S	125000	-1.04221	N
2237	SA	250000	F	53	P	15000	-0.36198	U
2238	SA	250000	F	21	S	35000	-0.79353	N
2239	SA	250000	M	40	PS	75000	1.58770	Y
2240	SA	250000	F	70	PS	75000	0.07535	U
2241	SA	250000	F	42	S	75000	0.04202	Α
2242	SA	250000	F	29	S	15000	-1.25656	N
2243	SA	250000	M	32	S	NA	1.26582	<na></na>
2244	SA	250000	M	60	S	75000	-1.10502	N
2245	SA	250000	M	44	S	35000	0.04743	U
2246	SA	250000	F	62	P	15000	1.58770	Y
2247	SA	250000	F	24	PS	35000	-1.29617	N
2248	SA	250000	M	25	PS	7500	-1.21974	N
2249	SA	250000	F	48	P	15000	0.19060	Α
2250	SA	250000	M	47	S	75000	-0.92313	<na></na>
2251	SA	250000	F	59	S	35000	-0.74848	Α
2252	SA	250000	M	68	S	35000	-1.25795	N
2253	SA	250000	F	26	S	35000	-1.10757	N
2254	SA	250000	M	57	S	75000	1.40361	Y
2255	SA	250000	M	19	S	15000	-1.25795	N
2256	SA	250000	F	22	S	35000	-0.44948	N
2257	SA	250000	F	54	P	15000	-1.14049	N
2258	SA	250000	F	67	S	7500	-0.11911	N
2259	SA	250000	M	65	P	75000	-1.08055	N
2260	SA	250000	M	33	P	15000	0.69205	U
2261	SA	250000	F	46	S	15000	1.01625	Y
2262	SA	250000	F	55	S	75000	-1.29617	N
2263	SA	250000	F	20	S	35000	-1.25795	N

2264	SA	250000	М	45	S	15000	0.57007	Y
2265	SA	250000	M	29	S	15000	-1.18323	N
2266	SA	250000	М	36	S	7500	-1.29617	N
2267	SA	250000	F	64	P	35000	-1.29617	N
2268	SA	250000	М	20	S	15000	-0.81078	N
2269	SA	250000	F	67	P	7500	-0.99558	N
2270	SA	250000	F	27	S	15000	-1.29617	N
2271	SA	250000	M	59	P	7500	-1.29617	N
2272	SA	250000	М	25	PS	35000	-1.18011	N
2273	SA	250000	F	23	PS	35000	-1.29617	N
2274	SA	250000	F	60	S	15000	-0.32866	U
2275	SA	250000	F	48	S	75000	-1.14579	N
2276	SA	250000	F	28	S	15000	-0.78735	Y
2277	SA	250000	F	48	P	7500	-1.03937	U
2278	SA	250000	М	45	S	15000	-1.14049	N
2279	SA	250000	M	26	S	15000	-0.93530	N
2280	SA	250000	F	37	P	35000	-1.18011	N
2281	SA	250000	F	24	S	35000	0.13025	N
2282	SA	250000	M	32	S	75000	0.27062	U
2283	SA	250000	F	38	PS	35000	-1.14049	N
2284	SA	250000	M	63	S	75000	-1.00723	U
2285	SA	250000	M	38	PS	75000	-1.29617	Α
2286	SA	250000	M	36	PS	125000	-1.02263	N
2287	SA	250000	F	39	S	75000	-0.92939	U
2288	SA	250000	F	32	PS	75000	-1.29617	U
2289	SA	250000	М	35	S	75000	-0.01265	U
2290	SA	250000	F	37	PS	35000	-1.29617	N
2291	SA	250000	М	42	P	15000	-1.23032	N
2292	SA	250000	М	30	S	35000	-0.89647	U
2293	SA	250000	F	20	S	35000	-1.00607	U
2294	SA	250000	F	57	P	35000	1.32047	Y
2295	SA	250000	М	47	P	35000	-1.21834	N
2296	SA	250000	F	45	S	7500	-1.04094	N
2297	SA	250000	F	20	S	35000	-1.29617	N
2298	SA	250000	F	38	PS	15000	-0.95617	U
2299	SA	250000	М	47	P	35000	-1.14049	N
2300	SA	250000	М	22	S	35000	-1.21834	N
2301	SA	250000	F	21	S	15000	-0.64023	U
2302	SA	250000	F	36	P	35000	0.18690	U
2303	SA	250000	М	24	P	35000	-1.29617	N
2304	SA	250000	М	48	P	7500	0.51408	U
2305	SA	250000	М	40	S	15000	-0.37943	U
2306	SA	250000	F	19	S	15000	-0.68396	N
2307	SA	250000	М	43	P	35000	-1.10500	N
2308	SA	250000	М	24	P	15000	-1.29617	N
2309	SA	250000	F	58	P	15000	-0.16141	Y

2311 SA 250000 F 30 S 75000 -0.61249 N 2312 SA 250000 M 39 S 35000 0.95428 U 2313 SA 250000 M 65 S 75000 -0.49725 N 2314 SA 250000 M 66 S 75000 -0.99783 N 2316 SA 250000 F 69 S 75000 -1.58770 Y 2317 SA 250000 F 39 P 15000 -0.00248 Y 2318 SA 250000 F 30 S 125000 0.86028 Y 2318 SA 250000 F 62 P 35000 1.54808 Y 2320 SA 250000 M 62 S 125000 1.58770 Y 2321 SA 250000 M 40 PS 1	2310	SA	250000	F	40	P	7500	1.46120	U
2313 SA 250000 F 37 PS 75000 -0.49725 N 2314 SA 250000 M 65 S 75000 -0.61694 Y 2315 SA 250000 M 26 S 75000 -0.90783 N 2316 SA 250000 F 69 S 75000 -0.00248 U 2318 SA 250000 M 21 PS 75000 -0.0248 U 2319 SA 250000 M 62 S 125000 0.86028 Y 2320 SA 250000 F 62 P 35000 1.21020 NA> 2321 SA 250000 M 62 PS 35000 -1.07812 N 2322 SA 250000 F 26 PS 125000 -1.271834 N 2324 SA 250000 F 26 PS	2311	SA	250000	F	30	S	75000	-0.61249	N
2314 SA 250000 M 65 S 75000 0.61694 Y 2315 SA 250000 M 26 S 75000 -0.90783 N 2316 SA 250000 F 69 S 75000 1.58770 Y 2317 SA 250000 F 39 P 15000 -0.00248 Y 2319 SA 250000 F 30 S 125000 0.86028 Y 2320 SA 250000 M 62 S 125000 1.54808 Y 2321 SA 250000 M 62 P 35000 1.54808 Y 2322 SA 250000 M 40 PS 35000 -1.07812 N 2323 SA 250000 F 26 PS 125000 -1.07812 N 2325 SA 250000 F 26 PS <td< td=""><td>2312</td><td>SA</td><td>250000</td><td>M</td><td>39</td><td>S</td><td>35000</td><td>0.95428</td><td>U</td></td<>	2312	SA	250000	M	39	S	35000	0.95428	U
2315 SA 250000 M 26 S 75000 -0.90783 N 2316 SA 250000 F 69 S 75000 1.58770 Y 2317 SA 250000 M 21 PS 75000 -0.0248 U 2318 SA 250000 M 21 PS 75000 0.86028 Y 2320 SA 250000 M 62 S 125000 1.54808 Y 2321 SA 250000 M 62 P 35000 1.21020 <	2313	SA	250000	F	37	PS	75000	-0.49725	N
2316 SA 250000 F 69 S 75000 1.58770 Y 2317 SA 250000 F 39 P 15000 -0.00248 U 2318 SA 250000 M 21 PS 75000 0.82279 Y 2319 SA 250000 F 30 S 125000 0.86028 Y 2320 SA 250000 F 62 P 35000 1.21020 <na> 2321 SA 250000 M 30 S 75000 0.45050 N 2322 SA 250000 M 40 PS 35000 -1.07812 N 2324 SA 250000 F 26 PS 125000 -1.27834 N 2325 SA 250000 M 50 PS 35000 -0.89595 N 2326 SA 250000 M 21 S</na>	2314	SA	250000	M	65	S	75000	0.61694	Y
2317 SA 250000 F 39 P 15000 -0.00248 U 2318 SA 250000 M 21 PS 75000 0.82279 Y 2319 SA 250000 M 62 S 125000 1.54808 Y 2321 SA 250000 M 62 P 35000 1.21020 <na> 2322 SA 250000 M 40 PS 35000 -1.07812 N 2323 SA 250000 F 26 PS 125000 -1.21834 N 2324 SA 250000 F 26 PS 125000 -0.97431 U 2325 SA 250000 F 40 PS 35000 -0.42948 N 2326 SA 250000 M 21 S 15000 -0.42948 N 2327 SA 250000 M 51 S</na>	2315	SA	250000	M	26	S	75000	-0.90783	N
2318 SA 250000 M 21 PS 75000 0.82279 Y 2319 SA 250000 F 30 S 125000 0.86028 Y 2320 SA 250000 F 62 P 35000 1.54808 Y 2321 SA 250000 M 30 S 75000 0.45050 N 2322 SA 250000 M 40 PS 35000 -1.07812 N 2324 SA 250000 F 26 PS 125000 -1.21834 N 2326 SA 250000 F 40 PS 125000 -0.97431 U 2326 SA 250000 M 50 PS 35000 -0.97431 U 2327 SA 250000 M 51 S 15000 -0.42948 N 2328 SA 250000 M 51 S	2316	SA	250000	F	69	S	75000	1.58770	Y
2319 SA 250000 F 30 S 125000 0.86028 Y 2320 SA 250000 M 62 S 125000 1.54808 Y 2321 SA 250000 M 30 S 75000 0.45050 N 2322 SA 250000 M 40 PS 35000 -1.07812 N 2324 SA 250000 F 26 PS 125000 -1.21834 N 2325 SA 250000 F 40 PS 125000 -0.97431 U 2326 SA 250000 M 50 PS 35000 -0.89595 N 2327 SA 250000 M 21 S 15000 -0.42948 N 2328 SA 250000 M 51 S 125000 -0.12364 N 2331 SA 250000 M 51 S 125000 -0.77762 N 2331 SA 250000 M	2317	SA	250000	F	39	P	15000	-0.00248	U
2320 SA 250000 M 62 S 125000 1.54808 Y 2321 SA 250000 F 62 P 35000 1.21020 < NA> 2322 SA 250000 M 30 S 75000 0.45050 N 2323 SA 250000 M 40 PS 35000 -1.07812 N 2324 SA 250000 F 26 PS 125000 -1.21834 N 2325 SA 250000 M 50 PS 35000 -0.97431 U 2326 SA 250000 M 50 PS 35000 -0.97431 U 2327 SA 250000 M 21 S 15000 -0.42948 N 2328 SA 250000 F 18 S 20000 -1.21834 N 2330 SA 250000 M 51 S 125000 -0.77762 N 2331 SA 250000 M 52 <td>2318</td> <td>SA</td> <td>250000</td> <td>M</td> <td>21</td> <td>PS</td> <td></td> <td>0.82279</td> <td>Y</td>	2318	SA	250000	M	21	PS		0.82279	Y
2321 SA 250000 F 62 P 35000 1.21020 <na> 2322 SA 250000 M 30 S 75000 0.45050 N 2323 SA 250000 M 40 PS 35000 -1.07812 N 2324 SA 250000 F 26 PS 125000 -1.21834 N 2325 SA 250000 F 40 PS 125000 -0.97431 U 2326 SA 250000 M 50 PS 35000 -0.88595 N 2327 SA 250000 M 21 S 15000 -0.42948 N 2328 SA 250000 F 18 S 200000 -1.21834 N 2332 SA 250000 M 51 S 15000 -0.77762 N 2331 SA 250000 M 52 P</na>	2319	SA	250000	F	30	S		0.86028	Y
2322 SA 250000 M 30 S 75000 0.45050 N 2323 SA 250000 M 40 PS 35000 -1.07812 N 2324 SA 250000 F 26 PS 125000 -1.21834 N 2325 SA 250000 F 40 PS 125000 -0.97431 U 2326 SA 250000 M 50 PS 35000 -0.89595 N 2327 SA 250000 M 51 S 15000 -0.42948 N 2328 SA 250000 F 18 S 200000 -1.21834 N 2330 SA 250000 M 51 S 125000 -0.77762 N 2331 SA 250000 M 52 P 15000 -1.29617 N 2333 SA 250000 F 57 P	2320	SA	250000	M	62	S	125000	1.54808	Y
2323 SA 250000 M 40 PS 35000 -1.07812 N 2324 SA 250000 F 26 PS 125000 -1.21834 N 2325 SA 250000 F 40 PS 125000 -0.97431 U 2326 SA 250000 M 50 PS 35000 -0.89595 N 2327 SA 250000 M 50 PS 35000 -0.42948 N 2328 SA 250000 F 18 S 200000 -1.58770 Y 2339 SA 250000 F 18 S 200000 -0.77762 N 2331 SA 250000 M 59 S 15000 -0.15666 <na> 2332 SA 250000 M 52 P 15000 -1.29617 N 2333 SA 250000 F 57 P</na>	2321	SA	250000	F	62	P	35000	1.21020	<na></na>
2324 SA 250000 F 26 PS 125000 -1.21834 N 2325 SA 250000 F 40 PS 125000 -0.97431 U 2326 SA 250000 M 50 PS 35000 -0.89595 N 2327 SA 250000 M 21 S 15000 -0.42948 N 2328 SA 250000 F 39 S 15000 -1.58770 Y 2329 SA 250000 F 18 S 200000 -1.21834 N 2331 SA 250000 M 59 S 15000 -0.77762 N 2331 SA 250000 M 59 S 15000 -0.17861 N 2332 SA 250000 M 50 F 15000 -1.29617 N 2333 SA 250000 F 57 P	2322	SA	250000	M	30	S	75000	0.45050	N
2325 SA 250000 F 40 PS 125000 -0.97431 U 2326 SA 250000 M 50 PS 35000 -0.89595 N 2327 SA 250000 M 21 S 15000 -0.42948 N 2328 SA 250000 F 39 S 15000 -1.21834 N 2330 SA 250000 M 51 S 125000 -0.77762 N 2331 SA 250000 M 59 S 15000 -0.77762 N 2331 SA 250000 M 59 S 15000 -0.77762 N 2332 SA 250000 M 59 S 15000 -0.57531 U 2333 SA 250000 F 57 P 15000 -0.57538 Y 2335 SA 250000 F 29 S	2323	SA	250000	M	40	PS	35000	-1.07812	N
2326 SA 250000 M 50 PS 35000 -0.89595 N 2327 SA 250000 M 21 S 15000 -0.42948 N 2328 SA 250000 F 39 S 15000 1.58770 Y 2329 SA 250000 F 18 S 200000 -1.21834 N 2330 SA 250000 M 51 S 125000 -0.77762 N 2331 SA 250000 M 52 P 15000 -1.29617 N 2332 SA 250000 F 57 P 15000 -1.29617 N 2334 SA 250000 F 57 P 15000 -1.23667 N 2335 SA 250000 F 29 S 35000 -0.57538 Y 2336 SA 250000 F 37 S <t< td=""><td>2324</td><td>SA</td><td>250000</td><td>F</td><td>26</td><td>PS</td><td>125000</td><td>-1.21834</td><td>N</td></t<>	2324	SA	250000	F	26	PS	125000	-1.21834	N
2327 SA 250000 M 21 S 15000 -0.42948 N 2328 SA 250000 F 39 S 15000 1.58770 Y 2329 SA 250000 F 18 S 200000 -1.21834 N 2330 SA 250000 M 51 S 125000 -0.77762 N 2331 SA 250000 M 59 S 15000 0.15666 <na> 2332 SA 250000 M 52 P 15000 -1.29617 N 2333 SA 250000 F 57 P 15000 -1.07801 U 2334 SA 250000 F 57 P 15000 -1.29617 N 2335 SA 250000 F 29 S 35000 -1.23667 N 2337 SA 250000 F 37 S <</na>	2325		250000	F	40	PS	125000	-0.97431	U
2328 SA 250000 F 39 S 15000 1.58770 Y 2329 SA 250000 F 18 S 200000 -1.21834 N 2330 SA 250000 M 51 S 125000 -0.77762 N 2331 SA 250000 M 59 S 15000 0.15666 <na> 2332 SA 250000 M 52 P 15000 -1.29617 N 2333 SA 250000 F 57 P 15000 -1.07801 U 2334 SA 250000 F 29 S 35000 -1.23667 N 2336 SA 250000 F 29 S 15000 -0.49050 U 2337 SA 250000 F 37 S 35000 -1.29617 N 2338 SA 250000 F 36 S <</na>	2326	SA	250000	M	50	PS	35000	-0.89595	N
2329 SA 250000 F 18 S 200000 -1.21834 N 2330 SA 250000 M 51 S 125000 -0.77762 N 2331 SA 250000 M 59 S 15000 0.15666 <na> 2332 SA 250000 M 52 P 15000 -1.29617 N 2333 SA 250000 F 57 P 15000 -0.57538 Y 2334 SA 250000 F 29 S 35000 -1.23667 N 2336 SA 250000 F 29 S 15000 -0.49050 U 2337 SA 250000 F 29 S 15000 -0.49050 U 2338 SA 250000 F 37 S 35000 -1.29617 NA> 2340 SA 250000 F 36 S</na>	2327		250000	M			15000	-0.42948	N
2330 SA 250000 M 51 S 125000 -0.77762 N 2331 SA 250000 M 59 S 15000 0.15666 <na> 2332 SA 250000 M 52 P 15000 -1.29617 N 2333 SA 250000 F 57 P 15000 -1.07801 U 2334 SA 250000 F 57 P 15000 -0.57538 Y 2335 SA 250000 F 29 S 35000 -1.23667 N 2336 SA 250000 F 29 S 15000 -0.49050 U 2337 SA 250000 F 37 S 35000 -1.29617 N 2338 SA 250000 F 36 S 7500 -1.29617 N 2349 SA 250000 M 18 S <t< td=""><td>2328</td><td></td><td>250000</td><td>F</td><td></td><td>S</td><td>15000</td><td>1.58770</td><td>Y</td></t<></na>	2328		250000	F		S	15000	1.58770	Y
2331 SA 250000 M 59 S 15000 0.15666 <na> 2332 SA 250000 M 52 P 15000 -1.29617 N 2333 SA 250000 F 57 P 15000 -1.07801 U 2334 SA 250000 F 57 P 15000 -0.57538 Y 2335 SA 250000 F 29 S 35000 -1.23667 N 2336 SA 250000 F 29 S 15000 -0.49050 U 2337 SA 250000 F 29 S 15000 -0.49050 U 2337 SA 250000 F 37 S 35000 -0.56853 U 2338 SA 250000 F 36 S 7500 -1.29617 NA> 2349 SA 250000 F 36 S 75000 -1.29617 NA 2341 SA 250000 F 44<!--</td--><td>2329</td><td></td><td>250000</td><td>F</td><td></td><td>S</td><td></td><td>-1.21834</td><td>N</td></na>	2329		250000	F		S		-1.21834	N
2332 SA 250000 M 52 P 15000 -1.29617 N 2333 SA 250000 F 57 P 15000 -1.07801 U 2334 SA 250000 M 20 S 15000 -0.57538 Y 2335 SA 250000 F 29 S 35000 -1.23667 N 2336 SA 250000 F 29 S 15000 -0.49050 U 2337 SA 250000 F 37 S 35000 0.56853 U 2338 SA 250000 F 36 S 7500 -1.29617 N 2338 SA 250000 F 36 S 7500 -1.29617 N 2338 SA 250000 F 36 S 7500 -1.29617 NA 2340 SA 2500000 F 34 S 12			250000	M			125000	-0.77762	N
2333 SA 250000 F 57 P 15000 -1.07801 U 2334 SA 250000 M 20 S 15000 -0.57538 Y 2335 SA 250000 F 29 S 35000 -1.23667 N 2336 SA 250000 F 29 S 15000 -0.49050 U 2337 SA 250000 F 37 S 35000 0.56853 U 2338 SA 250000 M 39 P 35000 -1.29617 N 2339 SA 250000 F 36 S 7500 -1.29617 N 2340 SA 250000 F 36 S 75000 -1.29617 N 2341 SA 250000 F 44 S 125000 0.59566 Y 2342 SA 250000 F 32 PS 35000 -1.21640 N 2343 SA 250000 F 32	2331		250000	M		S	15000		<na></na>
2334 SA 250000 M 20 S 15000 -0.57538 Y 2335 SA 250000 F 29 S 35000 -1.23667 N 2336 SA 250000 F 29 S 15000 -0.49050 U 2337 SA 250000 F 37 S 35000 0.56853 U 2338 SA 250000 M 39 P 35000 -1.29617 N 2339 SA 250000 F 36 S 75000 -1.29617 NA> 2340 SA 250000 M 18 S 75000 0.12997 Y 2341 SA 250000 F 44 S 125000 0.59566 Y 2342 SA 250000 F 32 PS 35000 -1.21640 N 2343 SA 250000 F 25 PS <t< td=""><td>2332</td><td></td><td>250000</td><td>M</td><td></td><td>P</td><td>15000</td><td>-1.29617</td><td>N</td></t<>	2332		250000	M		P	15000	-1.29617	N
2335 SA 250000 F 29 S 35000 -1.23667 N 2336 SA 250000 F 29 S 15000 -0.49050 U 2337 SA 250000 F 37 S 35000 0.56853 U 2338 SA 250000 M 39 P 35000 -1.29617 N 2339 SA 250000 F 36 S 7500 -1.29617 NA> 2340 SA 250000 M 18 S 75000 0.12997 Y 2341 SA 250000 F 44 S 125000 0.59566 Y 2342 SA 250000 F 32 PS 35000 -1.04094 A 2343 SA 250000 F 32 PS 35000 -1.21640 N 2345 SA 250000 F 25 PS <t< td=""><td>2333</td><td></td><td>250000</td><td>F</td><td></td><td></td><td>15000</td><td></td><td>U</td></t<>	2333		250000	F			15000		U
2336 SA 250000 F 29 S 15000 -0.49050 U 2337 SA 250000 F 37 S 35000 0.56853 U 2338 SA 250000 M 39 P 35000 -1.29617 N 2339 SA 250000 F 36 S 7500 -1.29617 NA> 2340 SA 250000 M 18 S 75000 -1.29617 NA> 2341 SA 250000 F 44 S 125000 0.59566 Y 2342 SA 250000 F 44 S 125000 -1.04094 A 2343 SA 250000 F 32 PS 35000 -1.21640 N 2344 SA 250000 F 32 PS 35000 -1.21834 N 2345 SA 250000 F 25 PS 35000 -1.21695 N 2347 SA 250000 F 50				M				-0.57538	Y
2337 SA 250000 F 37 S 35000 0.56853 U 2338 SA 250000 M 39 P 35000 -1.29617 N 2339 SA 250000 F 36 S 7500 -1.29617 NA> 2340 SA 250000 M 18 S 75000 0.12997 Y 2341 SA 250000 F 44 S 125000 0.59566 Y 2342 SA 250000 F 44 S 125000 -1.04094 A 2343 SA 250000 F 32 PS 35000 -1.21640 N 2344 SA 250000 F 32 PS 35000 -1.21834 N 2345 SA 250000 F 25 PS 35000 1.47725 Y 2346 SA 250000 F 50 PS <									
2338 SA 250000 M 39 P 35000 -1.29617 N 2339 SA 250000 F 36 S 7500 -1.29617 <na> 2340 SA 250000 M 18 S 75000 0.12997 Y 2341 SA 250000 F 44 S 125000 0.59566 Y 2342 SA 250000 M 18 S 125000 -1.04094 A 2343 SA 250000 F 32 PS 35000 -1.21640 N 2344 SA 250000 F 32 PS 35000 -1.21640 N 2345 SA 250000 F 25 PS 35000 -1.21834 N 2346 SA 250000 F 50 PS 35000 -1.21695 N 2347 SA 250000 M 43 PS</na>				F	29				U
2339 SA 250000 F 36 S 7500 -1.29617 <na> 2340 SA 250000 M 18 S 75000 0.12997 Y 2341 SA 250000 F 44 S 125000 0.59566 Y 2342 SA 250000 M 18 S 125000 -1.04094 A 2343 SA 250000 F 32 PS 35000 -1.21640 N 2344 SA 250000 M 41 PS 75000 -1.21640 N 2345 SA 250000 F 25 PS 35000 -1.21834 N 2346 SA 250000 F 50 PS 35000 -1.21695 N 2347 SA 250000 M 43 PS 200000 -1.19755 N 2349 SA 250000 M 37 PS 125000<!--</td--><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>U</td></na>									U
2340 SA 250000 M 18 S 75000 0.12997 Y 2341 SA 250000 F 44 S 125000 0.59566 Y 2342 SA 250000 M 18 S 125000 -1.04094 A 2343 SA 250000 F 32 PS 35000 -1.21640 N 2344 SA 250000 M 41 PS 75000 -1.21640 N 2345 SA 250000 F 25 PS 35000 -1.21834 N 2346 SA 250000 F 25 PS 35000 -1.21695 N 2347 SA 250000 M 19 S 125000 -1.21923 U 2348 SA 250000 M 37 PS 125000 -1.19755 N 2350 SA 250000 F 30 PS									
2341 SA 250000 F 44 S 125000 0.59566 Y 2342 SA 250000 M 18 S 125000 -1.04094 A 2343 SA 250000 F 32 PS 35000 -1.21640 N 2344 SA 250000 M 41 PS 75000 -1.21834 N 2345 SA 250000 F 25 PS 35000 -1.21834 N 2346 SA 250000 F 50 PS 35000 -1.21695 N 2347 SA 250000 F 50 PS 35000 -1.21923 U 2348 SA 250000 M 43 PS 200000 -1.19755 N 2349 SA 250000 M 37 PS 125000 -1.29617 N 2350 SA 250000 F 30 PS 200000 -1.14799 N 2351 SA 250000 F									
2342 SA 250000 M 18 S 125000 -1.04094 A 2343 SA 250000 F 32 PS 35000 -1.21640 N 2344 SA 250000 M 41 PS 75000 -1.21834 N 2345 SA 250000 F 25 PS 35000 1.47725 Y 2346 SA 250000 F 50 PS 35000 -1.21695 N 2347 SA 250000 M 19 S 125000 -1.21923 U 2348 SA 250000 M 43 PS 200000 -1.19755 N 2349 SA 250000 M 37 PS 125000 -1.29617 N 2350 SA 250000 F 30 PS 200000 -1.14799 N 2351 SA 250000 F 25 PS 125000 0.12788 A 2352 SA 250000 F 54 S 200000 -1.07456 N 2353 SA 2500	2340		250000	M	18	S			Y
2343 SA 250000 F 32 PS 35000 -1.21640 N 2344 SA 250000 M 41 PS 75000 -1.21834 N 2345 SA 250000 F 25 PS 35000 1.47725 Y 2346 SA 250000 F 50 PS 35000 -1.21695 N 2347 SA 250000 M 19 S 125000 -1.21923 U 2348 SA 250000 M 43 PS 200000 -1.19755 N 2349 SA 250000 M 37 PS 125000 -1.29617 N 2350 SA 250000 F 30 PS 200000 -1.14799 N 2351 SA 250000 F 25 PS 125000 0.12788 A 2352 SA 250000 F 54 S	2341				44	S			Y
2344 SA 250000 M 41 PS 75000 -1.21834 N 2345 SA 250000 F 25 PS 35000 1.47725 Y 2346 SA 250000 F 50 PS 35000 -1.21695 N 2347 SA 250000 M 19 S 125000 -1.21923 U 2348 SA 250000 M 43 PS 200000 -1.19755 N 2349 SA 250000 M 37 PS 125000 -1.29617 N 2350 SA 250000 F 30 PS 200000 -1.14799 N 2351 SA 250000 F 25 PS 125000 0.12788 A 2352 SA 250000 F 54 S 200000 -1.07456 N 2353 SA 250000 F 45 PS 15000 -0.79562 N 2354 SA 250000 F									Α
2345 SA 250000 F 25 PS 35000 1.47725 Y 2346 SA 250000 F 50 PS 35000 -1.21695 N 2347 SA 250000 M 19 S 125000 -1.21923 U 2348 SA 250000 M 43 PS 200000 -1.19755 N 2349 SA 250000 M 37 PS 125000 -1.29617 N 2350 SA 250000 F 30 PS 200000 -1.14799 N 2351 SA 250000 F 25 PS 125000 0.12788 A 2352 SA 250000 F 54 S 200000 -1.07456 N 2353 SA 250000 F 45 PS 125000 -0.79562 N 2354 SA 250000 F 45 PS									
2346 SA 250000 F 50 PS 35000 -1.21695 N 2347 SA 250000 M 19 S 125000 -1.21923 U 2348 SA 250000 M 43 PS 200000 -1.19755 N 2349 SA 250000 M 37 PS 125000 -1.29617 N 2350 SA 250000 F 30 PS 200000 -1.14799 N 2351 SA 250000 F 25 PS 125000 0.12788 A 2352 SA 250000 F 54 S 200000 -1.07456 N 2353 SA 250000 F 45 PS 15000 -0.79562 N 2354 SA 250000 F 45 PS 125000 -0.89052 N						PS			
2347 SA 250000 M 19 S 125000 -1.21923 U 2348 SA 250000 M 43 PS 200000 -1.19755 N 2349 SA 250000 M 37 PS 125000 -1.29617 N 2350 SA 250000 F 30 PS 200000 -1.14799 N 2351 SA 250000 F 25 PS 125000 0.12788 A 2352 SA 250000 F 54 S 200000 -1.07456 N 2353 SA 250000 M 36 PS 15000 -0.79562 N 2354 SA 250000 F 45 PS 125000 -0.89052 N									
2348 SA 250000 M 43 PS 200000 -1.19755 N 2349 SA 250000 M 37 PS 125000 -1.29617 N 2350 SA 250000 F 30 PS 200000 -1.14799 N 2351 SA 250000 F 25 PS 125000 0.12788 A 2352 SA 250000 F 54 S 200000 -1.07456 N 2353 SA 250000 M 36 PS 15000 -0.79562 N 2354 SA 250000 F 45 PS 125000 -0.89052 N									
2349 SA 250000 M 37 PS 125000 -1.29617 N 2350 SA 250000 F 30 PS 200000 -1.14799 N 2351 SA 250000 F 25 PS 125000 0.12788 A 2352 SA 250000 F 54 S 200000 -1.07456 N 2353 SA 250000 M 36 PS 15000 -0.79562 N 2354 SA 250000 F 45 PS 125000 -0.89052 N			250000	M	19	S	125000		U
2350 SA 250000 F 30 PS 200000 -1.14799 N 2351 SA 250000 F 25 PS 125000 0.12788 A 2352 SA 250000 F 54 S 200000 -1.07456 N 2353 SA 250000 M 36 PS 15000 -0.79562 N 2354 SA 250000 F 45 PS 125000 -0.89052 N			250000						N
2351 SA 250000 F 25 PS 125000 0.12788 A 2352 SA 250000 F 54 S 200000 -1.07456 N 2353 SA 250000 M 36 PS 15000 -0.79562 N 2354 SA 250000 F 45 PS 125000 -0.89052 N	2349	SA	250000	M		PS	125000	-1.29617	N
2352 SA 250000 F 54 S 200000 -1.07456 N 2353 SA 250000 M 36 PS 15000 -0.79562 N 2354 SA 250000 F 45 PS 125000 -0.89052 N									N
2353 SA 250000 M 36 PS 15000 -0.79562 N 2354 SA 250000 F 45 PS 125000 -0.89052 N									Α
2354 SA 250000 F 45 PS 125000 -0.89052 N									
2355 SA 250000 M 33 PS 35000 0.49274 Y									N
	2355	SA	250000	M	33	PS	35000	0.49274	Y

2356	SA	250000	M	36	S	125000	-1.01959	N
2357	SA	250000	F	25	PS	200000	-0.70916	Y
2358	SA	250000	M	19	S	75000	-0.20230	N
2359	SA	250000	F	51	S	75000	0.79215	Y
2360	SA	250000	F	59	S	7500	0.34139	U
2361	SA	250000	F	44	P	15000	-0.98019	U
2362	SA	250000	F	24	S	35000	1.35051	U
2363	SA	250000	M	40	P	35000	0.80029	U
2364	SA	250000	M	44	P	35000	1.10941	<na></na>
2365	SA	250000	M	35	S	35000	0.56362	U
2366	SA	250000	M	54	P	2500	-0.76673	U
2367	SA	250000	M	19	P	15000	0.81038	N
2368	SA	250000	F	59	P	15000	1.17809	Y
2369	SA	250000	F	43	P	2500	0.19986	U
2370	SA	250000	F	21	S	7500	-1.28924	N
2371	SA	250000	M	45	P	15000	-0.25284	Y
2372	SA	250000	F	18	S	15000	-1.11716	N
2373	SA	250000	F	39	PS	35000	1.51307	Y
2374	SA	250000	F	56	PS	35000	0.83550	Y
2375	SA	250000	M	25	S	35000	-1.10496	N
2376	SA	250000	M	20	P	7500	-1.14301	N
2377	SA	250000	F	23	P	15000	0.43730	Y
2378	SA	250000	F	48	P	7500	-1.20796	U
2379	SA	250000	M	52	S	7500	-0.54071	Y
2380	SA	250000	M	37	PS	35000	1.45597	Y
2381	SA	250000	F	49	P	35000	1.49042	<na></na>
2382	SA	250000	F	32	S	15000	0.28981	U
2383	SA	250000	M	25	S	35000	-0.70525	N
2384	SA	250000	M	51	P	15000	1.39910	Y
2385	SA	250000	F	41	P	15000	-0.88148	U
2386	SA	250000	M	39	P	35000	1.09571	U
2387	SA	250000	F	45	S	7500	-1.07386	U
2388	SA	250000	M	20	S	15000	-0.40275	N
2389	SA	250000	F	21	S	15000	-1.15838	U
2390	SA	250000	M	70	P	15000	1.48678	Y
2391	SA	250000	M	36	S	15000	0.20902	Α
2392	SA	250000	F	42	P	15000	0.03978	U
2393	SA	250000	F	43	S	15000	-1.21834	N
2394	SA	250000	F	20	S	15000	-0.58372	N
2395	SA	250000	M	34	S	35000	-0.65956	N
2396	SA	250000	M	60	P	2500	0.81317	Y
2397	SA	250000	M	36	S	35000	-1.27270	U
2398	SA	250000	M	21	S	15000	-0.31678	Y
2399	SA	250000	F	20	S	15000	-1.21974	N
2400	SA	250000	F	36	S	15000	-0.78437	U
2401	SA	250000	F	62	P	35000	0.19019	Y

2402	SA	250000	F	20	S	35000	-1.25795	N
2403	SA	250000	M	38	S	200000	-0.79330	N
2404	SA	250000	M	20	PS	75000	-1.11878	N
2405	SA	250000	M	35	PS	200000	1.26920	Y
2406	SA	250000	M	18	S	200000	0.53171	N
2407	SA	250000	F	29	S	75000	-0.16923	U
2408	SA	250000	F	18	S	125000	-1.14640	N
2409	SA	250000	F	43	S	75000	-0.08924	Α
2410	SA	250000	M	42	PS	75000	1.16774	Y
2411	SA	250000	F	27	PS	200000	-1.10282	N
2412	SA	250000	M	32	PS	125000	-1.21974	N
2413	SA	250000	M	63	S	75000	0.49426	N
2414	SA	250000	F	36	PS	75000	0.18235	Y
2415	SA	250000	M	36	S	125000	0.51557	N
2416	SA	250000	M	33	PS	200000	-0.87064	N
2417	SA	250000	M	69	S	125000	1.38413	Y
2418	SA	250000	F	31	S	200000	-0.65985	N
2419	SA	250000	F	58	S	125000	0.88530	U
2420	SA	250000	F	42	S	125000	1.55399	Y
2421	SA	250000	F	22	PS	35000	-1.01283	N
2422	SA	250000	F	57	PS	15000	-1.29617	N
2423	SA	250000	F	43	PS	125000	-0.68084	N
2424	SA	250000	M	41	PS	75000	0.91259	Y
2425	SA	250000	M	57	S	200000	0.04134	<na></na>
2426	SA	250000	M	28	PS	75000	-0.83829	N
2427	SA	250000	F	20	PS	200000	1.40361	Y
2428	SA	250000	F	24	PS	125000	-1.04256	N
2429	SA	250000	F	45	PS	200000	0.92804	<na></na>
2430	SA	250000	M	42	PS	125000	-1.29617	N
2431	SA	250000	M	61	PS	75000	1.55477	Y
2432	SA	250000	M	34	PS	125000	0.54349	N
2433	SA	250000	F	26	PS	200000	0.86287	Y
2434	SA	250000	F	60	PS	200000	1.39831	Y
2435	SA	250000	F	36	PS	200000	1.04278	Y
2436	SA	250000	F	41	PS	200000	-0.31354	U
2437	SA	250000	M	67	PS	200000	1.44244	Y
2438	SA	250000	F	19	PS	NA	-0.29410	Y
2439	SA	250000	F	50	S	200000	1.01542	Y
2440	SA	250000	M	46	PS	200000	0.82460	Y
2441	SA	250000	F	57	S	NA	-0.62930	Α
2442	SA	250000	F	42	PS	35000	-1.10454	N
2443	SA	250000	М	42	PS	NA	1.34448	Y
2444	SA	250000	F	19	S	NA	-0.79884	N
2445	SA	250000	F	42	S	35000	-1.48144	<na></na>
2446	SA	250000	F	63	P	7500	0.02698	
2447	SA	250000	F	46	S	125000	-1.02597	N
-				-			•	

2450 SA 250000 M 28 PS 200000 1.21705 Y 2451 SA 250000 F 54 PS 15000 0.811109 Y 2452 SA 250000 F 36 PS 200000 -1.29617 N 2453 SA 250000 F 45 S 200000 -1.00115 A 2454 SA 250000 F 45 S 200000 -1.01515 A 2456 SA 250000 M 69 PS 75000 0.13858 <na< td=""> 2457 SA 250000 F 59 P 15000 0.88449 Y 2458 SA 250000 F 45 P 7500 0.51627 N 2459 SA 250000 F 44 PS 200000 -1.14049 N 2461 SA 250000 F 24 PS</na<>	2448	SA	250000	F	31	S	75000	-1.21862	N
2451 SA 250000 F 54 PS 15000 0.81109 Y 2452 SA 250000 F 36 PS 200000 −1.29617 N 2453 SA 250000 F 45 S 200000 −1.00115 A 2455 SA 250000 F 45 S 200000 −1.0115 A 2455 SA 250000 F 30 S 125000 −0.19523 <na> 2456 SA 250000 F 30 S 125000 −0.19523 <na> 2456 SA 250000 F 59 P 15000 0.88849 Y 2458 SA 250000 F 59 P 15000 0.88849 Y 2458 SA 250000 F 45 P 7500 0.51627 N 2460 SA 250000 F 45 P 7500 0.51627 N 2460 SA 250000 F 47 S 125000 −1.14049 N 2461 SA 250000 F 47 S 125000 −1.14049 N 2461 SA 250000 F 47 S 125000 1.07339 Y 2462 SA 250000 F 24 PS 200000 −1.14049 N 2463 SA 250000 F 21 PS 35000 −1.29617 N 2465 SA 250000 F 39 PS 200000 −1.25656 N 2466 SA 250000 F 39 PS 200000 −1.25656 N 2466 SA 250000 F 36 S 75000 −0.94168 N 2467 SA 250000 F 36 S 75000 −0.94168 N 2469 SA 250000 F 22 S NA 0.90393 U 2468 SA 250000 F 26 PS 125000 −1.21834 N 2471 SA 250000 F 22 S NA 0.90393 U 2473 SA 250000 F 22 S NA 0.90393 U 2473 SA 250000 F 22 S NA 0.90393 U 2471 SA 250000 M 53 S 125000 −1.21834 N 2470 SA 250000 F 22 S NA 0.90393 U 2471 SA 250000 M 53 S 125000 −1.21834 N 2470 SA 250000 F 22 S NA 0.90393 U 2473 SA 250000 F 23 PS 200000 −1.21834 N 2472 SA 250000 F 23 PS 200000 −1.21834 N 2472 SA 250000 F 23 PS 200000 −1.21834 N 2473 SA 250000 M 53 PS 200000 −1.21834 N 2475 SA 250000 F 23 PS 200000 −1.21834 N 2475 SA 250000 F 23 PS 200000 −1.21964 Y 2475 SA 250000 F 23 PS 200000 −1.21964 Y 2475 SA 250000 F 58 S 35000 −0.93092 U 2473 SA 250000 F 58 S 200000 0.64011 Y 2475 SA 250000 F 58 S 200000 0.64011 Y 2475 SA 250000 F 58 S 200000 0.77110 Y 2479 SA 250000 F 58 S 200000 0.93738 Y 2488 SA 250000 F 25 PS 125000 −1.29798 Y 2482 SA 250000 F 25 PS 125000 0.93773 N 2486 SA 250000 F 27 PS 200000 0.93773 N 2488 SA 250000 F 27 PS 200000 0.93773 N 2488 SA 250000 F 27 PS 200000 0.93773 N 2488 SA 250000 F 27 PS 200000 0.93773 N 2488 SA 250000 F 27 PS 200000 0.93773 N 2488 SA 250000 F 27 PS 200000 0.93773 N 2488 SA 250000 F 27 PS 200000 0.93773 N 2488 SA 250000 F 27 PS 200000 0.93776 N 2489 SA 250000 F 27 PS 200000 0.93776 N 2489 SA 250000 F 27 PS 200000 0.9377</na></na>	2449	SA	250000	M	70	S	35000	0.46760	<na></na>
2452 SA 250000 F 36 PS 200000 -1.29617 N 2453 SA 250000 M 38 PS NA 1.39381 Y 2454 SA 250000 F 45 S 20000 -1.00115 A 2455 SA 250000 F 30 S 125000 -0.19523 NA> 2456 SA 250000 F 59 P 15000 0.13858 NA> 2457 SA 250000 F 59 P 15000 0.88849 Y 2459 SA 250000 F 45 P 7500 0.51627 N 2460 SA 250000 F 47 S 125000 1.14049 N 2461 SA 250000 F 47 S 125000 1.07339 Y 2461 SA 250000 M 46 PS <t></t>	2450	SA	250000	M	28	PS	200000	1.21705	Y
2453 SA 250000 M 38 PS NA 1.39381 Y 2454 SA 250000 F 45 S 200000 -1.00115 A 2455 SA 250000 F 30 S 125000 -0.19523 NA> 2456 SA 250000 M 69 PS 75000 0.13858 <na> 2457 SA 250000 F 59 P 15000 0.88849 Y 2458 SA 250000 F 45 P 7500 0.51627 N 2460 SA 250000 F 45 P 7500 0.51627 N 2461 SA 250000 F 47 S 125000 1.0449 N 2462 SA 250000 F 47 S 125000 1.14049 N 2463 SA 250000 F 47 S 12</na>	2451	SA	250000	F	54	PS	15000	0.81109	Y
2454 SA 250000 F 45 S 200000 -1.00115 A 2455 SA 250000 F 30 S 125000 -0.19523 NA> 2456 SA 250000 M 69 PS 75000 0.13858 NA> 2457 SA 250000 F 59 P 15000 0.88849 Y 2458 SA 250000 F 45 P 7500 0.51627 N 2460 SA 250000 F 45 P 7500 0.51627 N 2461 SA 250000 F 24 PS 200000 -1.14049 N 2461 SA 250000 F 47 S 125000 1.14322 < <n< td=""> 2462 SA 250000 F 21 PS 200000 -1.29617 N 2463 SA 250000 F 39 PS 200000 -1</n<>	2452	SA	250000	F	36	PS	200000	-1.29617	N
2455 SA 250000 F 30 S 125000 -0.19523 <na> 2456 SA 250000 M 69 PS 75000 0.13858 <na> 2457 SA 250000 M 59 P 15000 0.88849 Y 2458 SA 250000 F 45 P 7500 0.51627 N 2460 SA 250000 F 45 P 7500 0.51627 N 2461 SA 250000 F 47 S 125000 1.14049 N 2461 SA 250000 F 47 S 125000 1.07339 Y 2463 SA 250000 M 46 PS 200000 -1.44322 NA 2463 SA 250000 F 39 PS 200000 -1.25656 N 2466 SA 250000 F 36 S</na></na>	2453	SA	250000	M	38	PS	NA	1.39381	Y
2456 SA 250000 M 69 PS 75000 0.13858 < NA> 2457 SA 250000 F 59 P 15000 0.88849 Y 2458 SA 250000 F 59 P 15000 0.88849 Y 2459 SA 250000 F 45 P 7500 0.51627 N 2460 SA 250000 F 24 PS 200000 -1.14049 N 2461 SA 250000 F 47 S 125000 1.07339 Y 2462 SA 250000 M 46 PS 200000 -1.29617 N 2463 SA 250000 F 21 PS 35000 -1.29617 N 2463 SA 250000 F 39 PS 200000 -1.26668 N 2467 SA 250000 F 58 S 35000	2454	SA	250000	F	45	S	200000	-1.00115	Α
2457 SA 250000 F 59 P 15000 0.88849 Y 2458 SA 250000 M 22 S NA -0.15216 N 2459 SA 250000 F 45 P 7500 0.51627 N 2460 SA 250000 F 24 PS 200000 -1.14049 N 2461 SA 250000 F 24 PS 200000 -1.14049 N 2462 SA 250000 M 31 PS 200000 -1.24617 N 2463 SA 250000 F 21 PS 35000 -1.29617 N 2463 SA 250000 F 39 PS 200000 -1.25656 N 2465 SA 250000 F 36 S 75000 -0.94162 N 2467 SA 250000 F 26 PS	2455	SA	250000	F	30	S	125000	-0.19523	<na></na>
2458 SA 250000 M 22 S NA -0.15216 N 2459 SA 250000 F 45 P 7500 0.51627 N 2460 SA 250000 F 24 PS 200000 -1.14049 N 2461 SA 250000 F 47 S 125000 1.07339 Y 2462 SA 250000 M 31 PS 200000 -0.66689 N 2463 SA 250000 F 21 PS 35000 -1.29617 N 2465 SA 250000 F 39 PS 200000 -1.29617 N 2465 SA 250000 F 36 S 75000 -0.94168 N 2466 SA 250000 F 58 S 35000 -1.21834 N 2467 SA 250000 F 26 PS <	2456	SA	250000	M	69	PS	75000	0.13858	<na></na>
2459 SA 250000 F 45 P 7500 0.51627 N 2460 SA 250000 F 24 PS 200000 -1.14049 N 2461 SA 250000 F 47 S 125000 1.07339 Y 2462 SA 250000 M 31 PS 200000 -1.44322 <na> 2463 SA 250000 F 21 PS 35000 -0.66689 N 2465 SA 250000 F 39 PS 200000 -1.29617 N 2466 SA 250000 F 36 S 75000 -0.94168 N 2467 SA 250000 F 36 S 75000 -0.94168 N 2467 SA 250000 F 58 S 35000 -0.40122 N 2468 SA 250000 F 26 PS</na>	2457	SA	250000	F	59	P	15000	0.88849	Y
2460 SA 250000 F 24 PS 200000 -1.14049 N 2461 SA 250000 F 47 S 125000 1.07339 Y 2462 SA 250000 M 31 PS 200000 -1.44322 <na> 2463 SA 250000 M 46 PS 200000 -0.66689 N 2464 SA 250000 F 21 PS 35000 -1.29617 N 2465 SA 250000 F 36 S 75000 -0.94168 N 2466 SA 250000 F 36 S 75000 -0.94168 N 2467 SA 250000 F 58 S 35000 -0.40122 N 2468 SA 250000 F 58 S 35000 -1.02950 N 2469 SA 250000 F 26 PS</na>	2458	SA	250000	M	22	S	NA	-0.15216	N
2461 SA 250000 F 47 S 125000 1.07339 Y 2462 SA 250000 M 31 PS 200000 1.44322 <na> 2463 SA 250000 M 46 PS 200000 -0.66689 N 2464 SA 250000 F 21 PS 35000 -1.29617 N 2465 SA 250000 F 39 PS 200000 -1.25656 N 2466 SA 250000 F 36 S 75000 -0.94168 N 2467 SA 250000 F 58 S 35000 -0.40122 N 2468 SA 250000 F 58 S 35000 -0.40122 N 2469 SA 250000 F 26 PS 125000 -1.2184 N 2470 SA 250000 F 22 S NA 0.90393 U 2471 SA 250000 M 53</na>	2459	SA	250000	F	45	P	7500	0.51627	N
2462 SA 250000 M 31 PS 200000 1.44322 NA> 2463 SA 250000 M 46 PS 200000 -0.66689 N 2464 SA 250000 F 21 PS 35000 -1.29617 N 2465 SA 250000 F 39 PS 200000 -1.25656 N 2466 SA 250000 F 36 S 75000 -0.94168 N 2467 SA 250000 F 36 S 75000 -0.40122 N 2468 SA 250000 M 53 S 125000 -1.02950 N 2469 SA 250000 F 26 PS 125000 -1.21834 N 2470 SA 250000 F 22 S NA 0.90393 U 2471 SA 250000 M 53 PS	2460	SA	250000	F	24	PS	200000	-1.14049	N
2463 SA 250000 M 46 PS 200000 -0.66689 N 2464 SA 250000 F 21 PS 35000 -1.29617 N 2465 SA 250000 F 39 PS 200000 -1.25656 N 2466 SA 250000 F 36 S 75000 -0.94168 N 2467 SA 250000 F 58 S 35000 -0.40122 N 2468 SA 250000 M 53 S 125000 -1.02950 N 2469 SA 250000 F 26 PS 125000 -1.21834 N 2470 SA 250000 F 22 S NA 0.903933 U 2471 SA 250000 M 53 PS 200000 1.51858 Y 2471 SA 250000 M 53 PS	2461	SA	250000	F	47	S	125000		Y
2464 SA 250000 F 21 PS 35000 -1.29617 N 2465 SA 250000 F 39 PS 200000 -1.25656 N 2466 SA 250000 F 36 S 75000 -0.94168 N 2467 SA 250000 F 58 S 35000 -0.40122 N 2468 SA 250000 M 53 S 125000 -1.02950 N 2469 SA 250000 F 26 PS 125000 -1.21834 N 2470 SA 250000 F 22 S NA 0.90393 U 2471 SA 250000 M 19 PS 200000 1.51858 Y 2472 SA 250000 M 53 PS 200000 1.27096 Y 2473 SA 250000 M 55 S 200000 1.27096 Y 2475 SA 250000 F 58 </td <td>2462</td> <td>SA</td> <td>250000</td> <td>M</td> <td>31</td> <td>PS</td> <td>200000</td> <td>1.44322</td> <td><na></na></td>	2462	SA	250000	M	31	PS	200000	1.44322	<na></na>
2465 SA 250000 F 39 PS 200000 -1.25656 N 2466 SA 250000 F 36 S 75000 -0.94168 N 2467 SA 250000 F 58 S 35000 -0.40122 N 2468 SA 250000 M 53 S 125000 -1.02950 N 2469 SA 250000 F 26 PS 125000 -1.21834 N 2470 SA 250000 F 22 S NA 0.90393 U 2471 SA 250000 M 19 PS 200000 1.51858 Y 2472 SA 250000 M 53 PS 200000 1.27096 Y 2473 SA 250000 M 55 S 200000 1.27096 Y 2474 SA 250000 F 58 S <	2463	SA	250000	M			200000	-0.66689	N
2466 SA 250000 F 36 S 75000 -0.94168 N 2467 SA 250000 F 58 S 35000 -0.40122 N 2468 SA 250000 M 53 S 125000 -1.02950 N 2469 SA 250000 F 26 PS 125000 -1.21834 N 2470 SA 250000 F 22 S NA 0.90393 U 2471 SA 250000 M 19 PS 200000 1.51858 Y 2472 SA 250000 M 53 PS 200000 -0.30982 U 2473 SA 250000 M 55 S 200000 1.27096 Y 2474 SA 250000 F 58 S 125000 1.3480 Y 2475 SA 250000 F 58 S <td< td=""><td>2464</td><td>SA</td><td>250000</td><td>F</td><td></td><td>PS</td><td>35000</td><td>-1.29617</td><td>N</td></td<>	2464	SA	250000	F		PS	35000	-1.29617	N
2467 SA 250000 F 58 S 35000 -0.40122 N 2468 SA 250000 M 53 S 125000 -1.02950 N 2469 SA 250000 F 26 PS 125000 -1.21834 N 2470 SA 250000 F 22 S NA 0.90393 U 2471 SA 250000 M 19 PS 200000 1.51858 Y 2472 SA 250000 M 53 PS 200000 -0.30982 U 2473 SA 250000 M 55 S 200000 1.27096 Y 2474 SA 250000 F 23 PS 200000 0.64011 Y 2475 SA 250000 F 58 S 125000 1.13480 Y 2477 SA 250000 F 68 S <	2465		250000	F			200000	-1.25656	N
2468 SA 250000 M 53 S 125000 -1.02950 N 2469 SA 250000 F 26 PS 125000 -1.21834 N 2470 SA 250000 F 22 S NA 0.90393 U 2471 SA 250000 M 19 PS 200000 1.51858 Y 2472 SA 250000 M 53 PS 200000 -0.30982 U 2473 SA 250000 M 55 S 200000 1.27096 Y 2474 SA 250000 F 23 PS 200000 0.64011 Y 2475 SA 250000 F 58 S 125000 1.13480 Y 2476 SA 250000 F 68 S 75000 0.84667 Y 2478 SA 250000 F 35 PS <	2466		250000	F			75000	-0.94168	N
2469 SA 250000 F 26 PS 125000 -1.21834 N 2470 SA 250000 F 22 S NA 0.90393 U 2471 SA 250000 M 19 PS 200000 1.51858 Y 2472 SA 250000 M 53 PS 200000 -0.30982 U 2473 SA 250000 M 55 S 200000 1.27096 Y 2474 SA 250000 F 23 PS 200000 0.64011 Y 2475 SA 250000 F 58 S 125000 1.13480 Y 2476 SA 250000 F 58 S 125000 1.21964 Y 2477 SA 250000 F 68 S 75000 0.84667 Y 2479 SA 250000 F 35 PS <t< td=""><td>2467</td><td></td><td>250000</td><td>F</td><td></td><td>S</td><td>35000</td><td>-0.40122</td><td>N</td></t<>	2467		250000	F		S	35000	-0.40122	N
2470 SA 250000 F 22 S NA 0.90393 U 2471 SA 250000 M 19 PS 200000 1.51858 Y 2472 SA 250000 M 53 PS 200000 -0.30982 U 2473 SA 250000 M 55 S 200000 1.27096 Y 2474 SA 250000 F 23 PS 200000 0.64011 Y 2475 SA 250000 F 58 S 125000 1.13480 Y 2476 SA 250000 F 68 S 75000 0.84667 Y 2477 SA 250000 F 68 S 75000 0.84667 Y 2478 SA 250000 F 35 PS 200000 0.77110 Y 2480 SA 250000 F 25 PS	2468		250000	М		S			N
2471 SA 250000 M 19 PS 200000 1.51858 Y 2472 SA 250000 M 53 PS 200000 -0.30982 U 2473 SA 250000 M 55 S 200000 1.27096 Y 2474 SA 250000 F 23 PS 200000 0.64011 Y 2475 SA 250000 F 58 S 125000 1.13480 Y 2476 SA 250000 M 60 PS 200000 1.21964 Y 2477 SA 250000 F 68 S 75000 0.84667 Y 2478 SA 250000 F 35 PS 200000 0.77110 Y 2479 SA 250000 F 25 PS 125000 1.39006 Y 2481 SA 250000 F 25 PS 125000 1.06052 N 2482 SA 250000 M 7	2469		250000	F	26		125000	-1.21834	N
2472 SA 250000 M 53 PS 200000 -0.30982 U 2473 SA 250000 M 55 S 200000 1.27096 Y 2474 SA 250000 F 23 PS 200000 0.64011 Y 2475 SA 250000 F 58 S 125000 1.13480 Y 2476 SA 250000 M 60 PS 200000 1.21964 Y 2477 SA 250000 F 68 S 75000 0.84667 Y 2478 SA 250000 F 35 PS 200000 0.77110 Y 2479 SA 250000 F 25 PS 125000 1.39006 Y 2480 SA 250000 F 25 PS 125000 1.39006 Y 2481 SA 250000 F 62 S 35000 -0.95218 U 2482 SA 250000 M 21			250000	F		S			U
2473 SA 250000 M 55 S 200000 1.27096 Y 2474 SA 250000 F 23 PS 200000 0.64011 Y 2475 SA 250000 F 58 S 125000 1.13480 Y 2476 SA 250000 M 60 PS 200000 1.21964 Y 2477 SA 250000 F 68 S 75000 0.84667 Y 2478 SA 250000 F 68 S 75000 0.84667 Y 2479 SA 250000 F 35 PS 200000 0.77110 Y 2480 SA 250000 F 25 PS 125000 1.39006 Y 2481 SA 250000 F 62 S 35000 -0.95218 U 2482 SA 250000 M 70 PS 125000 -1.06052 N 2483 SA 250000 F 35 </td <td>2471</td> <td></td> <td>250000</td> <td>М</td> <td></td> <td>PS</td> <td></td> <td></td> <td>Y</td>	2471		250000	М		PS			Y
2474 SA 250000 F 23 PS 200000 0.64011 Y 2475 SA 250000 F 58 S 125000 1.13480 Y 2476 SA 250000 M 60 PS 200000 1.21964 Y 2477 SA 250000 F 68 S 75000 0.84667 Y 2478 SA 250000 F 35 PS 200000 0.77110 Y 2479 SA 250000 M 27 PS 200000 1.29798 Y 2480 SA 250000 F 25 PS 125000 1.39006 Y 2481 SA 250000 F 62 S 35000 -0.95218 U 2482 SA 250000 M 70 PS 125000 -1.06052 N 2483 SA 250000 M 21 PS 200000 0.43376 Y 2484 SA 250000 F 3				М		PS	200000	-0.30982	U
2475 SA 250000 F 58 S 125000 1.13480 Y 2476 SA 250000 M 60 PS 200000 1.21964 Y 2477 SA 250000 F 68 S 75000 0.84667 Y 2478 SA 250000 F 35 PS 200000 0.77110 Y 2479 SA 250000 M 27 PS 200000 1.29798 Y 2480 SA 250000 F 25 PS 125000 1.39006 Y 2481 SA 250000 F 62 S 35000 -0.95218 U 2482 SA 250000 M 70 PS 125000 -1.06052 N 2483 SA 250000 M 21 PS 200000 0.43376 Y 2484 SA 250000 F 35 PS 125000 1.15286 Y 2485 SA 250000 F 35 PS 200000 -0.93773 N 2486 SA 250000 F 27 PS 200000 0.97308 Y 2489 SA 250000			250000	М		S	200000	1.27096	Y
2476 SA 250000 M 60 PS 200000 1.21964 Y 2477 SA 250000 F 68 S 75000 0.84667 Y 2478 SA 250000 F 35 PS 200000 0.77110 Y 2479 SA 250000 M 27 PS 200000 1.29798 Y 2480 SA 250000 F 25 PS 125000 1.39006 Y 2481 SA 250000 F 62 S 35000 -0.95218 U 2482 SA 250000 F 62 S 35000 -0.95218 U 2483 SA 250000 M 70 PS 125000 -1.06052 N 2484 SA 250000 F 35 PS 125000 1.15286 Y 2485 SA 250000 F 35 PS	2474		250000	F	23	PS		0.64011	Y
2477 SA 250000 F 68 S 75000 0.84667 Y 2478 SA 250000 F 35 PS 200000 0.77110 Y 2479 SA 250000 M 27 PS 200000 1.29798 Y 2480 SA 250000 F 25 PS 125000 1.39006 Y 2481 SA 250000 F 62 S 35000 -0.95218 U 2482 SA 250000 M 70 PS 125000 -1.06052 N 2483 SA 250000 M 21 PS 200000 0.43376 Y 2484 SA 250000 F 35 PS 125000 1.15286 Y 2485 SA 250000 F 35 PS 200000 -0.93773 N 2486 SA 250000 F 27 PS	2475		250000	F	58	S	125000	1.13480	Y
2478 SA 250000 F 35 PS 200000 0.77110 Y 2479 SA 250000 M 27 PS 200000 1.29798 Y 2480 SA 250000 F 25 PS 125000 1.39006 Y 2481 SA 250000 F 62 S 35000 -0.95218 U 2482 SA 250000 M 70 PS 125000 -1.06052 N 2483 SA 250000 M 21 PS 200000 0.43376 Y 2484 SA 250000 F 35 PS 125000 1.15286 Y 2485 SA 250000 F 35 PS 200000 -0.93773 N 2486 SA 250000 F 27 PS 200000 0.97308 Y 2488 SA 250000 F 40 PS 200000 0.73707 NA> 2490 SA 250000 M	2476		250000	М	60	PS	200000	1.21964	Y
2479 SA 250000 M 27 PS 200000 1.29798 Y 2480 SA 250000 F 25 PS 125000 1.39006 Y 2481 SA 250000 F 62 S 35000 -0.95218 U 2482 SA 250000 M 70 PS 125000 -1.06052 N 2483 SA 250000 M 21 PS 200000 0.43376 Y 2484 SA 250000 F 35 PS 125000 1.15286 Y 2485 SA 250000 F 35 PS 200000 -0.93773 N 2486 SA 250000 F 27 PS 200000 0.97308 Y 2487 SA 250000 F 27 PS 200000 0.94765 N 2489 SA 250000 F 62 P 75000 0.73707 <na> 2491 SA 250000 M</na>									Y
2480 SA 250000 F 25 PS 125000 1.39006 Y 2481 SA 250000 F 62 S 35000 -0.95218 U 2482 SA 250000 M 70 PS 125000 -1.06052 N 2483 SA 250000 M 21 PS 200000 0.43376 Y 2484 SA 250000 F 35 PS 125000 1.15286 Y 2485 SA 250000 F 35 PS 200000 -0.93773 N 2486 SA 250000 M 22 PS NA -0.01630 N 2487 SA 250000 F 27 PS 200000 0.94765 N 2489 SA 250000 F 62 P 75000 0.73707 <na> 2490 SA 250000 M 40 P</na>	2478		250000	F		PS		0.77110	Y
2481 SA 250000 F 62 S 35000 -0.95218 U 2482 SA 250000 M 70 PS 125000 -1.06052 N 2483 SA 250000 M 21 PS 200000 0.43376 Y 2484 SA 250000 F 35 PS 125000 1.15286 Y 2485 SA 250000 F 35 PS 200000 -0.93773 N 2486 SA 250000 M 22 PS NA -0.01630 N 2487 SA 250000 F 27 PS 200000 0.97308 Y 2488 SA 250000 F 40 PS 200000 0.94765 N 2489 SA 250000 F 62 P 75000 0.73707 <na> 2490 SA 250000 M 44 PS 200000 0.47231 Y 2491 SA 250000 F <td< td=""><td></td><td></td><td>250000</td><td>М</td><td></td><td>PS</td><td></td><td></td><td>Y</td></td<></na>			250000	М		PS			Y
2482 SA 250000 M 70 PS 125000 -1.06052 N 2483 SA 250000 M 21 PS 200000 0.43376 Y 2484 SA 250000 F 35 PS 125000 1.15286 Y 2485 SA 250000 F 35 PS 200000 -0.93773 N 2486 SA 250000 M 22 PS NA -0.01630 N 2487 SA 250000 F 27 PS 200000 0.97308 Y 2488 SA 250000 F 40 PS 200000 0.94765 N 2489 SA 250000 F 62 P 75000 0.73707 <na> 2490 SA 250000 M 44 PS 200000 0.47231 Y 2491 SA 250000 F 27 P 7500 1.34623 U</na>									Y
2483 SA 250000 M 21 PS 200000 0.43376 Y 2484 SA 250000 F 35 PS 125000 1.15286 Y 2485 SA 250000 F 35 PS 200000 -0.93773 N 2486 SA 250000 M 22 PS NA -0.01630 N 2487 SA 250000 F 27 PS 200000 0.97308 Y 2488 SA 250000 F 40 PS 200000 0.94765 N 2489 SA 250000 F 62 P 75000 0.73707 <na> 2490 SA 250000 M 44 PS 200000 0.47231 Y 2491 SA 250000 M 40 P 15000 1.26093 Y 2492 SA 250000 F 27 P</na>									U
2484 SA 250000 F 35 PS 125000 1.15286 Y 2485 SA 250000 F 35 PS 200000 -0.93773 N 2486 SA 250000 M 22 PS NA -0.01630 N 2487 SA 250000 F 27 PS 200000 0.97308 Y 2488 SA 250000 F 40 PS 200000 0.94765 N 2489 SA 250000 F 62 P 75000 0.73707 <na> 2490 SA 250000 M 44 PS 200000 0.47231 Y 2491 SA 250000 M 40 P 15000 1.26093 Y 2492 SA 250000 F 27 P 7500 1.34623 U</na>									N
2485 SA 250000 F 35 PS 200000 -0.93773 N 2486 SA 250000 M 22 PS NA -0.01630 N 2487 SA 250000 F 27 PS 200000 0.97308 Y 2488 SA 250000 F 40 PS 200000 0.94765 N 2489 SA 250000 F 62 P 75000 0.73707 <na> 2490 SA 250000 M 44 PS 200000 0.47231 Y 2491 SA 250000 M 40 P 15000 1.26093 Y 2492 SA 250000 F 27 P 7500 1.34623 U</na>									Y
2486 SA 250000 M 22 PS NA -0.01630 N 2487 SA 250000 F 27 PS 200000 0.97308 Y 2488 SA 250000 F 40 PS 200000 0.94765 N 2489 SA 250000 F 62 P 75000 0.73707 <na> 2490 SA 250000 M 44 PS 200000 0.47231 Y 2491 SA 250000 M 40 P 15000 1.26093 Y 2492 SA 250000 F 27 P 7500 1.34623 U</na>									Y
2487 SA 250000 F 27 PS 200000 0.97308 Y 2488 SA 250000 F 40 PS 200000 0.94765 N 2489 SA 250000 F 62 P 75000 0.73707 <na> 2490 SA 250000 M 44 PS 200000 0.47231 Y 2491 SA 250000 M 40 P 15000 1.26093 Y 2492 SA 250000 F 27 P 7500 1.34623 U</na>	2485			F		PS			N
2488 SA 250000 F 40 PS 200000 0.94765 N 2489 SA 250000 F 62 P 75000 0.73707 <na> 2490 SA 250000 M 44 PS 200000 0.47231 Y 2491 SA 250000 M 40 P 15000 1.26093 Y 2492 SA 250000 F 27 P 7500 1.34623 U</na>	2486		250000	M					N
2489 SA 250000 F 62 P 75000 0.73707 < NA> 2490 SA 250000 M 44 PS 200000 0.47231 Y 2491 SA 250000 M 40 P 15000 1.26093 Y 2492 SA 250000 F 27 P 7500 1.34623 U	2487	SA		F		PS	200000	0.97308	Y
2490 SA 250000 M 44 PS 200000 0.47231 Y 2491 SA 250000 M 40 P 15000 1.26093 Y 2492 SA 250000 F 27 P 7500 1.34623 U									N
2491 SA 250000 M 40 P 15000 1.26093 Y 2492 SA 250000 F 27 P 7500 1.34623 U				F					
2492 SA 250000 F 27 P 7500 1.34623 U									Y
									Y
2493 SA 250000 F 42 S 35000 0 13769 II									U
2100 DA 200000 1 12 D 00000 0.13709 0	2493	SA	250000	F	42	S	35000	0.13769	U

2494	SA	250000	M	29	S	35000	1.47615	Y
2495	SA	250000	F	42	S	15000	-0.15878	U
2496	SA	250000	M	23	S	15000	-1.29617	N
2497	SA	250000	F	53	P	15000	0.47051	U
2498	SA	250000	F	53	P	35000	0.13118	Y
2499	SA	250000	F	20	PS	35000	-0.01053	U
2500	SA	250000	M	44	S	35000	1.43793	Y
2501	SA	250000	M	39	PS	200000	1.33168	Y
2502	SA	250000	M	25	PS	125000	1.32577	Y
2503	SA	250000	F	64	S	35000	1.14675	Y
2504	SA	250000	F	30	PS	200000	-0.23212	U
2505	SA	250000	F	27	PS	125000	0.29437	N
2506	SA	250000	M	33	PS	75000	-1.11336	N
2507	SA	250000	M	59	PS	35000	-0.98643	N
2508	SA	250000	F	57	PS	75000	-0.62986	N
2509	SA	250000	F	28	PS	125000	1.51437	Y
2510	SA	250000	F	38	PS	125000	0.00744	U
2511	SA	250000	F	65	S	75000	-1.27270	N
2512	SA	250000	F	24	PS	75000	-0.45879	N
2513	SA	250000	M	18	S	125000	0.98460	Y
2514	SA	250000	M	45	PS	200000	1.14072	Y
2515	SA	250000	F	59	S	200000	-0.56959	N
2516	SA	250000	F	36	S	125000	-1.04040	N
2517	SA	250000	M	26	PS	75000	-0.41596	N
2518	SA	250000	F	24	S	75000	-0.84257	Α
2519	SA	250000	F	44	PS	200000	-1.09949	N
2520	SA	250000	M	36	PS	200000	1.24045	Y
2521	SA	250000	F	19	PS	15000	-1.08103	U
2522	SA	250000	M	18	S	75000	0.01777	<na></na>
2523	SA	250000	M	36	PS	35000	-0.59471	U
2524	SA	250000	F	37	P	15000	-1.25795	Α
2525	SA	250000	M	65	PS	35000	-0.72986	U
2526	SA	250000	M	25	S	35000	-0.50191	N
2527	SA	250000	M	42	PS	35000	-1.29617	N
2528	SA	250000	F	48	S	15000	-0.69361	U
2529	SA	250000	F	64	P	35000	0.33848	U
2530	SA	250000	F	21	S	7500	-1.29617	U
2531	SA	250000	M	40	S	15000	-1.11196	N
2532	SA	250000	F	18	PS	75000	-0.89384	N
2533	SA	250000	М	18	S	35000	-0.29008	Α
2534	SA	250000	М	70	Р	35000	0.83966	U
2535	SA	250000	F	70	S	7500	0.63256	Y
2536	SA	250000	M	36	S	35000	1.12501	Y
2537	SA	250000	F	37	S	35000	1.58770	Y
2538	SA	250000	M	32	S	125000	0.63720	Y
2539	SA	250000	F	23	S	35000	-0.72594	Ū

2540	SA	250000	M	70	S	35000	0.67226	<na></na>
2541	SA	250000	F	51	P	7500	1.50846	Y
2542	SA	250000	F	44	S	35000	0.69340	<na></na>
2543	SA	250000	F	24	P	15000	0.47213	Y
2544	SA	250000	M	67	S	7500	1.54808	Y
2545	SA	250000	M	18	S	NA	1.06160	Y
2546	SA	250000	F	66	P	7500	0.59034	U
2547	SA	250000	M	22	P	NA	0.14292	<na></na>
2548	SA	250000	F	42	P	15000	NA	U
2549	SA	250000	F	26	S	15000	0.08900	U
2550	SA	250000	M	66	P	7500	-1.06805	<na></na>
2551	SA	250000	M	43	PS	15000	-0.73756	N
2552	SA	250000	F	21	PS	7500	-1.15231	N
2553	SA	250000	F	54	P	15000	-1.29617	N
2554	SA	250000	F	57	P	2500	-1.18463	N
2555	SA	250000	M	21	S	NA	-1.29617	N
2556	SA	250000	M	33	S	15000	-1.29617	N
2557	SA	250000	F	49	P	35000	0.28030	Y
2558	SA	250000	M	40	S	7500	-0.65770	<na></na>
2559	SA	250000	F	49	P	35000	-1.29617	N
2560	SA	250000	F	18	S	15000	1.25462	Y
2561	SA	250000	M	23	S	NA	-1.26942	N
2562	SA	250000	F	44	P	7500	-1.29617	N
2563	SA	250000	F	23	S	7500	-1.29617	N
2564	SA	250000	F	37	S	15000	-0.88301	U
2565	SA	250000	M	48	P	NA	1.45187	Y
2566	SA	250000	M	65	S	35000	-1.25656	N
2567	SA	250000	M	53	PS	NA	0.54450	U
2568	SA	250000	F	47	S	75000	0.86660	Y
2569	SA	250000	F	18	S	75000	0.88085	Y
2570	SA	250000	M	26	PS	NA	-1.29617	N
2571	SA	250000	F	68	P	15000	-0.94732	Y
2572	SA	250000	F	34	S	15000	-0.13523	N
2573	SA	250000	M	19	PS	15000	-0.43799	U
2574	SA	250000	F	37	P	35000	-1.06713	N
2575	SA	250000	M	46	S	15000	-0.03259	U
2576	SA	250000	F	56	P	7500	-1.08236	Α
2577	SA	250000	M	43	P	15000	1.31037	U
2578	SA	250000	F	24	PS	35000	-0.27129	U
2579	SA	250000	M	40	P	7500	-0.74140	Y
2580	SA	250000	M	23	S	7500	-0.69755	<na></na>
2581	SA	250000	F	45	S	15000	-0.23627	U
2582	SA	250000	F	70	S	NA	1.50394	Y
2583	SA	250000	M	46	PS	125000	0.35459	Y
2584	SA	250000	F	25	S	15000	0.46676	U
2585	SA	250000	M	23	S	75000	-1.06529	N

2587 SA 250000 M 70 S 35000 -0.96744 N 2588 SA 250000 M 21 PS 15000 -0.57825 N 2599 SA 250000 M 64 S 35000 -1.29617 N 2591 SA 250000 M 60 S 35000 -0.99525 N 2592 SA 250000 M 60 S 35000 -0.15297 N 2593 SA 250000 F 29 PS 15000 -1.11644 Y 2594 SA 250000 F 62 S 15000 -1.14640 A 2595 SA 250000 F 64 P 7500 1.20702 Y 2596 SA 250000 M 34 S 15000 -1.14640 A 2597 SA 250000 M 34 S	2586	SA	250000	F	39	S	35000	-0.32437	U
2589 SA 250000 M 64 S 35000 -1.29617 N 2590 SA 250000 F 18 S 7500 0.30916 N 2591 SA 250000 M 60 S 35000 -0.99525 N 2592 SA 250000 F 29 PS 15000 1.11064 Y 2594 SA 250000 F 36 S 35000 0.28844 Y 2595 SA 250000 F 62 S 15000 1.14640 A 2596 SA 250000 F 44 P 7500 1.20702 Y 2598 SA 250000 M 40 PS 15000 -1.25795 N 2599 SA 250000 M 39 <na< td=""> 1.00817 Y 2601 M 62500 M 52 P 35000 1.5877</na<>	2587	SA	250000	M	70	S	35000	-0.96744	N
2590 SA 250000 F 18 S 7500 0.30916 N 2591 SA 250000 M 60 S 35000 -0.99525 N 2592 SA 250000 M 21 S 35000 -0.15297 N 2593 SA 250000 F 29 PS 15000 1.11064 Y 2595 SA 250000 F 62 S 15000 1.25000 Y 2596 SA 250000 F 62 S 15000 -1.14640 A 2597 SA 250000 F 44 P 7500 1.20702 Y 2598 SA 250000 M 34 S 15000 -1.25795 N 2599 SA 250000 M 39 NA> NA 1.00817 Y 2601 M 62500 M 52 P 35000 <td>2588</td> <td>SA</td> <td>250000</td> <td>M</td> <td>21</td> <td>PS</td> <td>15000</td> <td>-0.57825</td> <td>N</td>	2588	SA	250000	M	21	PS	15000	-0.57825	N
2591 SA 250000 M 60 S 35000 -0.99525 N 2592 SA 250000 M 21 S 35000 -0.15297 N 2593 SA 250000 F 29 PS 15000 1.11064 Y 2594 SA 250000 F 62 S 15000 1.35000 Y 2596 SA 250000 F 62 S 15000 -1.14640 A 2597 SA 250000 F 44 P 7500 1.20702 Y 2598 SA 250000 F 21 S 35000 -0.77873 N 2600 SA 250000 M 39 <na> NA 1.00817 Y 2601 M 62500 M 39 <na< td=""> NA 1.00817 Y 2602 M 62500 F 33 P 125000<td>2589</td><td>SA</td><td>250000</td><td>M</td><td>64</td><td>S</td><td>35000</td><td>-1.29617</td><td>N</td></na<></na>	2589	SA	250000	M	64	S	35000	-1.29617	N
2592 SA 250000 M 21 S 35000 -0.15297 N 2593 SA 250000 F 29 PS 15000 1.11064 Y 2594 SA 250000 F 36 S 35000 0.28844 Y 2596 SA 250000 F 62 S 15000 -1.14640 A 2597 SA 250000 F 44 P 7500 1.20702 Y 2598 SA 250000 F 21 S 35000 -1.25795 N 2599 SA 250000 M 34 S 15000 -1.57795 N 2600 SA 250000 M 39 <na< td=""> 1.00817 Y 2601 M 62500 M 52 P 35000 1.58770 Y 2602 M 62500 F 36 PS 15000 1.5877</na<>	2590	SA	250000	F	18	S	7500	0.30916	N
2593 SA 250000 F 29 PS 15000 1.11064 Y 2594 SA 250000 F 36 S 35000 0.28844 Y 2595 SA 250000 M 40 PS 15000 -1.14640 A 2597 SA 250000 F 44 P 7500 1.20702 Y 2598 SA 250000 M 34 S 15000 -1.25795 N 2699 SA 250000 M 34 S 15000 -0.77873 N 2601 M 62500 M 39 <na> NA 1.00817 Y 2601 M 62500 M 52 P 35000 1.58770 Y 2603 M 62500 F 36 PS 15000 1.28539 Y 2604 M 62500 F 36 PS 15000</na>	2591	SA	250000	M	60	S	35000	-0.99525	N
2594 SA 250000 F 36 S 35000 0.28844 Y 2595 SA 250000 F 62 S 15000 1.35000 Y 2596 SA 250000 F 44 P 7500 1.20702 Y 2598 SA 250000 F 21 S 35000 -1.25795 N 2599 SA 250000 M 34 S 15000 -0.77873 N 2600 SA 250000 M 39 <na> NA 1.00817 Y 2601 M 62500 M 52 P 35000 1.58770 Y 2602 M 62500 F 36 PS 15000 1.58770 Y 2603 M 62500 F 36 PS 15000 1.28539 Y 2604 M 62500 F 36 PS 15000</na>	2592	SA	250000	M	21	S	35000	-0.15297	N
2595 SA 250000 F 62 S 15000 1.35000 Y 2596 SA 250000 M 40 PS 15000 -1.14640 A 2597 SA 250000 F 44 P 7500 1.20702 Y 2598 SA 250000 M 34 S 15000 -0.77873 N 2600 SA 250000 M 39 NA> NA 1.00817 Y 2601 M 62500 M 52 P 35000 1.58770 Y 2602 M 62500 F 33 P 125000 1.58770 Y 2603 M 62500 F 36 PS 15000 1.47693 Y 2604 M 62500 F 36 PS 15000 1.47693 Y 2605 M 62500 M 34 S 15000	2593	SA	250000	F	29	PS	15000	1.11064	Y
2596 SA 250000 M 40 PS 15000 -1.14640 A 2597 SA 250000 F 44 P 7500 1.20702 Y 2598 SA 250000 M 34 S 15000 -1.25795 N 2599 SA 250000 M 34 S 15000 -0.77873 N 2601 M 62500 M 39 <na> NA 1.00817 Y 2601 M 62500 F 33 P 125000 1.58770 Y 2603 M 62500 F 36 PS 15000 1.28539 Y 2603 M 62500 F 36 PS 15000 1.28539 Y 2604 M 62500 F 36 PS 15000 1.14769 Y 2605 M 62500 M 32 P 2500</na>	2594	SA	250000	F	36	S	35000	0.28844	Y
2597 SA 250000 F 44 P 7500 1.20702 Y 2598 SA 250000 F 21 S 35000 -1.25795 N 2599 SA 250000 M 34 S 15000 -0.77873 N 2600 SA 250000 M 39 <na> NA 1.00817 Y 2601 M 62500 M 52 P 35000 1.58770 Y 2603 M 62500 F 36 PS 15000 1.58770 Y 2603 M 62500 F 36 PS 15000 1.28539 Y 2604 M 62500 M 32 P 2500 0.14736 Y 2605 M 62500 M 32 P 7500 0.62706 A 2607 M 62500 F 29 P 15000 <</na>	2595	SA	250000	F	62	S	15000	1.35000	Y
2598 SA 250000 F 21 S 35000 -1.25795 N 2599 SA 250000 M 34 S 15000 -0.77873 N 2600 SA 250000 M 39 <na> NA 1.00817 Y 2601 M 62500 M 52 P 35000 1.58770 Y 2602 M 62500 F 33 P 125000 1.58770 Y 2603 M 62500 F 36 PS 15000 1.28339 Y 2604 M 62500 F 36 PS 15000 1.47693 Y 2605 M 62500 M 32 P 7500 0.62706 A 2606 M 62500 F 29 P 15000 0.96567 Y 2607 M 62500 F 32 P 2500 <</na>	2596	SA	250000	M	40	PS	15000	-1.14640	Α
2599 SA 250000 M 34 S 15000 -0.77873 N 2600 SA 250000 M 39 <na> NA 1.00817 Y 2601 M 62500 M 52 P 35000 1.58770 Y 2602 M 62500 F 33 P 125000 1.59296 Y 2603 M 62500 F 36 PS 15000 1.28539 Y 2604 M 62500 M 32 P 2500 0.14736 Y 2605 M 62500 M 34 S 15000 1.47693 Y 2606 M 62500 F 29 P 15000 0.96567 Y 2607 M 62500 F 32 P 2500 -1.16306 N 2608 M 62500 F 32 P 2500 -</na>	2597	SA	250000	F	44	P	7500	1.20702	Y
2600 SA 250000 M 39 <na> NA 1.00817 Y 2601 M 62500 M 52 P 35000 1.58770 Y 2602 M 62500 F 33 P 125000 1.59296 Y 2603 M 62500 F 36 PS 15000 1.28539 Y 2604 M 62500 F 60 P 2500 0.14736 Y 2605 M 62500 M 32 P 7500 0.62706 A 2606 M 62500 M 34 S 15000 1.47693 Y 2607 M 62500 F 29 P 15000 0.96567 Y 2608 M 62500 F 32 P 2500 -1.16306 N 2609 M 62500 F 32 P 2500 -1.16</na>	2598	SA	250000	F	21	S	35000	-1.25795	N
2601 M 62500 M 52 P 35000 1.58770 Y 2602 M 62500 F 33 P 125000 1.59296 Y 2603 M 62500 F 36 PS 15000 1.28539 Y 2604 M 62500 F 60 P 2500 0.14736 Y 2605 M 62500 M 32 P 7500 0.62706 A 2606 M 62500 M 32 P 7500 0.62706 A 2607 M 62500 F 29 P 15000 0.96567 Y 2608 M 62500 F 32 P 2500 -1.16306 N 2609 M 62500 F 32 P 2500 -1.16306 N 2610 M 62500 M 51 S 7500 1.58770<	2599	SA	250000	M	34	S	15000	-0.77873	N
2602 M 62500 F 33 P 125000 1.59296 Y 2603 M 62500 F 36 PS 15000 1.28539 Y 2604 M 62500 F 60 P 2500 0.14736 Y 2605 M 62500 M 32 P 7500 0.62706 A 2606 M 62500 M 34 S 15000 1.47693 Y 2607 M 62500 F 29 P 15000 0.96567 Y 2608 M 62500 F 29 P 15000 0.96567 Y 2608 M 62500 F 32 P 2500 -1.16306 N 2609 M 62500 F 32 P 2500 -1.16306 N 2611 M 62500 M 51 S 7500 1.58770	2600	SA	250000	M	39	<na></na>	NA	1.00817	Y
2603 M 62500 F 36 PS 15000 1.28539 Y 2604 M 62500 F 60 P 2500 0.14736 Y 2605 M 62500 M 32 P 7500 0.62706 A 2606 M 62500 M 34 S 15000 1.47693 Y 2607 M 62500 F 29 P 15000 0.96567 Y 2608 M 62500 F 32 P 2500 -1.16306 N 2609 M 62500 F 46 P 7500 -1.22114 Y 2610 M 62500 M 51 S 7500 1.58770 <na> 2611 M 62500 M 24 S NA 0.13073 <na> 2612 M 62500 F 22 S 35000 -0.70</na></na>	2601	М	62500	M		P	35000	1.58770	Y
2604 M 62500 F 60 P 2500 0.14736 Y 2605 M 62500 M 32 P 7500 0.62706 A 2606 M 62500 M 34 S 15000 1.47693 Y 2607 M 62500 F 29 P 15000 0.96567 Y 2608 M 62500 F 32 P 2500 -1.16306 N 2609 M 62500 F 46 P 7500 -1.22114 Y 2610 M 62500 M 51 S 7500 1.58770 <na> 2611 M 62500 M 39 S 35000 0.76436 Y 2612 M 62500 F 22 S 35000 0.70446 N 2613 M 62500 F 22 S 35000 -0.704</na>	2602	М		F		P	125000	1.59296	Y
2605 M 62500 M 32 P 7500 0.62706 A 2606 M 62500 M 34 S 15000 1.47693 Y 2607 M 62500 F 29 P 15000 0.96567 Y 2608 M 62500 F 32 P 2500 -1.16306 N 2609 M 62500 F 46 P 7500 -1.22114 Y 2610 M 62500 M 51 S 7500 1.58770 <na> 2611 M 62500 M 39 S 35000 0.76436 Y 2612 M 62500 M 24 S NA 0.13073 <na> 2613 M 62500 F 22 S 35000 -0.70446 N 2614 M 62500 F 38 P 15000 -1.2</na></na>	2603	М	62500	F	36	PS	15000	1.28539	Y
2606 M 62500 M 34 S 15000 1.47693 Y 2607 M 62500 F 29 P 15000 0.96567 Y 2608 M 62500 F 32 P 2500 -1.16306 N 2609 M 62500 F 46 P 7500 -1.22114 Y 2610 M 62500 M 51 S 7500 1.58770 <na> 2611 M 62500 M 39 S 35000 0.76436 Y 2612 M 62500 M 24 S NA 0.13073 <na> 2613 M 62500 F 22 S 35000 -0.70446 N 2614 M 62500 F 38 P 15000 -1.28067 N 2615 M 62500 F 38 P 15000 -1</na></na>	2604	М		F		P	2500	0.14736	Y
2607 M 62500 F 29 P 15000 0.96567 Y 2608 M 62500 F 32 P 2500 -1.16306 N 2609 M 62500 F 46 P 7500 -1.22114 Y 2610 M 62500 M 51 S 7500 1.58770 <na> 2611 M 62500 M 39 S 35000 0.76436 Y 2612 M 62500 M 24 S NA 0.13073 <na> 2613 M 62500 F 22 S 35000 -0.70446 N 2613 M 62500 F 38 P 15000 -1.29617 N 2615 M 62500 F 38 P 15000 -1.22876 N 2616 M 62500 M 26 S 15000 0</na></na>	2605	М	62500	M			7500	0.62706	Α
2608 M 62500 F 32 P 2500 -1.16306 N 2609 M 62500 F 46 P 7500 -1.22114 Y 2610 M 62500 M 51 S 7500 1.58770 <na> 2611 M 62500 M 39 S 35000 0.76436 Y 2612 M 62500 M 24 S NA 0.13073 <na> 2613 M 62500 F 22 S 35000 -0.70446 N 2613 M 62500 F 22 S 35000 -0.70446 N 2613 M 62500 F 38 P 15000 -1.29617 N 2615 M 62500 F 38 P 15000 -1.22876 N 2617 M 62500 M 27 P 15000</na></na>	2606	М	62500	M		S	15000	1.47693	Y
2609 M 62500 F 46 P 7500 -1.22114 Y 2610 M 62500 M 51 S 7500 1.58770 <na> 2611 M 62500 M 39 S 35000 0.76436 Y 2612 M 62500 M 24 S NA 0.13073 <na> 2613 M 62500 F 22 S 35000 -0.70446 N 2614 M 62500 M 60 S 15000 -1.29617 N 2615 M 62500 F 38 P 15000 -1.22876 N 2616 M 62500 M 27 P 15000 -1.22876 N 2617 M 62500 F 37 P 15000 0.72189 U 2618 M 62500 F 37 P 15000</na></na>	2607	М	62500	F			15000	0.96567	Y
2610 M 62500 M 51 S 7500 1.58770 <na> 2611 M 62500 M 39 S 35000 0.76436 Y 2612 M 62500 M 24 S NA 0.13073 <na> 2613 M 62500 F 22 S 35000 -0.70446 N 2614 M 62500 M 60 S 15000 -1.29617 N 2615 M 62500 F 38 P 15000 -1.22876 N 2616 M 62500 M 27 P 15000 -1.22876 N 2617 M 62500 M 56 S 15000 0.16247 <na> 2618 M 62500 F 37 P 15000 0.72189 U 2619 M 62500 F 34 S 35000 <</na></na></na>	2608	М	62500	F	32	P	2500	-1.16306	N
2611 M 62500 M 39 S 35000 0.76436 Y 2612 M 62500 M 24 S NA 0.13073 <na> 2613 M 62500 F 22 S 35000 -0.70446 N 2614 M 62500 M 60 S 15000 -1.29617 N 2615 M 62500 F 38 P 15000 -1.28086 Y 2616 M 62500 M 27 P 15000 -1.22876 N 2617 M 62500 M 56 S 15000 0.16247 <na> 2618 M 62500 F 37 P 15000 0.72189 U 2618 M 62500 F 37 P 15000 0.72189 U 2619 M 62500 F 37 P 15000 0.70951 <na> 2621 M 15000 F 45 P</na></na></na>	2609	М	62500	F			7500	-1.22114	Y
2612 M 62500 M 24 S NA 0.13073 <na> 2613 M 62500 F 22 S 35000 -0.70446 N 2614 M 62500 M 60 S 15000 -1.29617 N 2615 M 62500 F 38 P 15000 1.28086 Y 2616 M 62500 M 27 P 15000 -1.22876 N 2617 M 62500 M 56 S 15000 0.16247 <na> 2618 M 62500 F 37 P 15000 0.72189 U 2619 M 62500 F 37 P 15000 0.72189 U 2629 M 62500 F 34 S 35000 0.70951 <na> 2621 M 15000 F 45 P 15000 0.73180 <na><!--</td--><td></td><td>М</td><td></td><td></td><td></td><td></td><td></td><td></td><td><na></na></td></na></na></na></na>		М							<na></na>
2613 M 62500 F 22 S 35000 -0.70446 N 2614 M 62500 M 60 S 15000 -1.29617 N 2615 M 62500 F 38 P 15000 1.28086 Y 2616 M 62500 M 27 P 15000 -1.22876 N 2617 M 62500 M 56 S 15000 0.16247 NA> 2618 M 62500 F 37 P 15000 0.72189 U 2619 M 62500 F 37 P 15000 0.72189 U 2619 M 62500 F 34 S 35000 0.70951 <na> 2620 M 62500 F 34 S 35000 0.70951 <na> 2621 M 15000 F 45 P 15000</na></na>		M		M					
2614 M 62500 M 60 S 15000 -1.29617 N 2615 M 62500 F 38 P 15000 1.28086 Y 2616 M 62500 M 27 P 15000 -1.22876 N 2617 M 62500 M 56 S 15000 0.16247 NA> 2618 M 62500 F 37 P 15000 0.72189 U 2619 M 62500 F 37 P 15000 0.72189 U 2619 M 62500 F 34 S 35000 0.70951 <na> 2620 M 62500 F 34 S 35000 0.70951 <na> 2621 M 15000 F 45 P 15000 0.73180 <na> 2622 M 15000 F 18 S 35000</na></na></na>		M		M					<na></na>
2615 M 62500 F 38 P 15000 1.28086 Y 2616 M 62500 M 27 P 15000 -1.22876 N 2617 M 62500 M 56 S 15000 0.16247 < NA> 2618 M 62500 F 37 P 15000 0.72189 U 2619 M 62500 F 37 P 15000 0.72189 U 2619 M 62500 F 37 P 15000 0.72189 U 2619 M 62500 F 34 S 35000 0.70951 <na> 2620 M 62500 F 34 S 35000 0.70951 <na> 2621 M 15000 F 45 P 15000 0.73180 <na> 2622 M 15000 M 19 S NA 1.21003</na></na></na>		M		F	22				N
2616 M 62500 M 27 P 15000 -1.22876 N 2617 M 62500 M 56 S 15000 0.16247 < NA> 2618 M 62500 F 37 P 15000 0.72189 U 2619 M 62500 F 37 P 15000 0.72189 U 2620 M 62500 F 34 S 35000 0.70951 <na> 2621 M 15000 F 45 P 15000 0.73180 <na> 2622 M 15000 M 45 S 35000 0.14900 <na> 2623 M 15000 F 18 S 35000 1.28615 Y 2624 M 15000 F 35 P 7500 0.28762 U 2625 M 15000 F 35 P 7500 0.28762<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></na></na></na>									
2617 M 62500 M 56 S 15000 0.16247 <na> 2618 M 62500 F 37 P 15000 0.72189 U 2619 M 62500 M 25 S 7500 0.83264 Y 2620 M 62500 F 34 S 35000 0.70951 <na> 2621 M 15000 F 45 P 15000 0.73180 <na> 2622 M 15000 M 45 S 35000 0.14900 <na> 2623 M 15000 F 18 S 35000 0.14900 <na> 2623 M 15000 F 18 S 35000 1.28615 Y 2624 M 15000 F 35 P 7500 0.28762 U 2625 M 15000 F 35 P 7500 0.28762<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Y</td></na></na></na></na></na>									Y
2618 M 62500 F 37 P 15000 0.72189 U 2619 M 62500 M 25 S 7500 0.83264 Y 2620 M 62500 F 34 S 35000 0.70951 <na> 2621 M 15000 F 45 P 15000 0.73180 <na> 2622 M 15000 M 45 S 35000 0.14900 <na> 2623 M 15000 F 18 S 35000 0.14900 <na> 2624 M 15000 M 19 S NA 1.21003 U 2625 M 15000 F 35 P 7500 0.28762 U 2626 M 15000 M 18 S 35000 -0.50889 Y 2627 M 15000 M 33 S 35000 <t< td=""><td></td><td>M</td><td></td><td></td><td></td><td></td><td>15000</td><td></td><td></td></t<></na></na></na></na>		M					15000		
2619 M 62500 M 25 S 7500 0.83264 Y 2620 M 62500 F 34 S 35000 0.70951 <na> 2621 M 15000 F 45 P 15000 0.73180 <na> 2622 M 15000 M 45 S 35000 0.14900 <na> 2623 M 15000 F 18 S 35000 1.28615 Y 2624 M 15000 M 19 S NA 1.21003 U 2625 M 15000 F 35 P 7500 0.28762 U 2626 M 15000 M 18 S 35000 -0.50889 Y 2627 M 15000 F 44 P NA -0.38686 U 2628 M 15000 F 19 S NA -0.577</na></na></na>		M		M					<na></na>
2620 M 62500 F 34 S 35000 0.70951 <na> 2621 M 15000 F 45 P 15000 0.73180 <na> 2622 M 15000 M 45 S 35000 0.14900 <na> 2623 M 15000 F 18 S 35000 1.28615 Y 2624 M 15000 M 19 S NA 1.21003 U 2625 M 15000 F 35 P 7500 0.28762 U 2626 M 15000 M 18 S 35000 -0.50889 Y 2627 M 15000 F 44 P NA -0.38686 U 2628 M 15000 M 33 S 35000 -0.71349 <na> 2629 M 15000 M 65 P 35000 0.43236 Y</na></na></na></na>				F					
2621 M 15000 F 45 P 15000 0.73180 <na> 2622 M 15000 M 45 S 35000 0.14900 <na> 2623 M 15000 F 18 S 35000 1.28615 Y 2624 M 15000 M 19 S NA 1.21003 U 2625 M 15000 F 35 P 7500 0.28762 U 2626 M 15000 M 18 S 35000 -0.50889 Y 2627 M 15000 F 44 P NA -0.38686 U 2628 M 15000 M 33 S 35000 -0.71349 <na> 2629 M 15000 F 19 S NA -0.57723 U 2630 M 15000 M 65 P 35000 0.43236 Y</na></na></na>									
2622 M 15000 M 45 S 35000 0.14900 <na> 2623 M 15000 F 18 S 35000 1.28615 Y 2624 M 15000 M 19 S NA 1.21003 U 2625 M 15000 F 35 P 7500 0.28762 U 2626 M 15000 M 18 S 35000 -0.50889 Y 2627 M 15000 F 44 P NA -0.38686 U 2628 M 15000 M 33 S 35000 -0.71349 <na> 2629 M 15000 F 19 S NA -0.57723 U 2630 M 15000 M 65 P 35000 0.43236 Y</na></na>									
2623 M 15000 F 18 S 35000 1.28615 Y 2624 M 15000 M 19 S NA 1.21003 U 2625 M 15000 F 35 P 7500 0.28762 U 2626 M 15000 M 18 S 35000 -0.50889 Y 2627 M 15000 F 44 P NA -0.38686 U 2628 M 15000 M 33 S 35000 -0.71349 <na> 2629 M 15000 F 19 S NA -0.57723 U 2630 M 15000 M 65 P 35000 0.43236 Y</na>									
2624 M 15000 M 19 S NA 1.21003 U 2625 M 15000 F 35 P 7500 0.28762 U 2626 M 15000 M 18 S 35000 -0.50889 Y 2627 M 15000 F 44 P NA -0.38686 U 2628 M 15000 M 33 S 35000 -0.71349 <na< td=""> 2629 M 15000 F 19 S NA -0.57723 U 2630 M 15000 M 65 P 35000 0.43236 Y</na<>									
2625 M 15000 F 35 P 7500 0.28762 U 2626 M 15000 M 18 S 35000 -0.50889 Y 2627 M 15000 F 44 P NA -0.38686 U 2628 M 15000 M 33 S 35000 -0.71349 <na> 2629 M 15000 F 19 S NA -0.57723 U 2630 M 15000 M 65 P 35000 0.43236 Y</na>		М		F	18				Y
2626 M 15000 M 18 S 35000 -0.50889 Y 2627 M 15000 F 44 P NA -0.38686 U 2628 M 15000 M 33 S 35000 -0.71349 <na> 2629 M 15000 F 19 S NA -0.57723 U 2630 M 15000 M 65 P 35000 0.43236 Y</na>		M		M					U
2627 M 15000 F 44 P NA -0.38686 U 2628 M 15000 M 33 S 35000 -0.71349 <na> 2629 M 15000 F 19 S NA -0.57723 U 2630 M 15000 M 65 P 35000 0.43236 Y</na>	2625	M	15000	F		P			U
2628 M 15000 M 33 S 35000 -0.71349 <na> 2629 M 15000 F 19 S NA -0.57723 U 2630 M 15000 M 65 P 35000 0.43236 Y</na>									
2629 M 15000 F 19 S NA -0.57723 U 2630 M 15000 M 65 P 35000 0.43236 Y				F					
2630 M 15000 M 65 P 35000 0.43236 Y									
2631 M 15000 M 54 P 35000 0.73822 U						P			Y
	2631	М	15000	M	54	P	35000	0.73822	U

2632	М	15000	F	45	S	15000	1.08531	U
2633	M	15000	M	60	P	15000	0.38846	<na></na>
2634	M	15000	M	26	S	15000	-1.08862	N
2635	M	15000	F	26	PS	35000	-1.29617	N
2636	M	15000	F	33	P	7500	0.12468	U
2637	M	15000	F	38	S	7500	-0.63807	<na></na>
2638	M	15000	F	57	P	2500	-0.15649	U
2639	M	15000	M	24	S	15000	-0.59665	<na></na>
2640	M	15000	M	36	S	NA	-0.57165	N
2641	M	25000	M	41	P	NA	-1.30045	U
2642	M	25000	M	32	S	NA	0.75873	Y
2643	M	25000	M	21	S	15000	0.80466	U
2644	M	25000	F	40	S	35000	-0.67588	N
2645	M	25000	F	35	P	15000	1.41575	U
2646	M	25000	F	19	P	7500	-0.53990	N
2647	M	25000	F	26	S	15000	-0.52483	U
2648	M	25000	F	68	P	35000	1.12768	U
2649	M	25000	M	25	S	7500	0.08413	Α
2650	M	25000	M	60	P	35000	-0.98577	N
2651	M	25000	F	19	S	7500	0.13353	<na></na>
2652	M	25000	M	32	P	35000	1.29393	Y
2653	M	25000	F	42	P	7500	1.43577	Y
2654	M	25000	M	42	P	15000	-0.82448	<na></na>
2655	M	25000	M	47	P	35000	-0.11712	<na></na>
2656	M	25000	F	20	S	15000	1.61371	U
2657	M	25000	F	55	P	7500	-0.33917	Y
2658	M	25000	F	47	P	15000	0.78755	U
2659	M	25000	M	45	P	15000	0.82865	<na></na>
2660	M	25000	M	27	S	7500	-1.74401	<na></na>
2661	M	87500	F	55	S	35000	1.44322	Y
2662	M	87500	M	27	S	75000	1.24288	N
2663	M	87500	F	40	S	15000	-0.09014	Y
2664	M	87500	M	42	S	75000	-0.43601	N
2665	M	87500	F	21	S	35000	0.95741	Y
2666	M	87500	M	18	S	15000	0.16797	N
2667	M	87500	M	38	P	15000	1.33029	U
2668	M	87500	F	22	P	35000	0.33831	U
2669	M	87500	F	67	P	7500	-1.29617	N
2670	M	87500	M	33	P	15000	-1.02512	Y
2671	M	87500	M	42	PS	125000	1.31800	Y
2672	M	87500	F	27	S	35000	1.47693	Y
2673	M	87500	F	36	PS	75000	1.29875	Y
2674	M	87500	F	20	PS	75000	-0.60930	U
2675	M	87500	M	21	S	75000	-0.49903	N
2676	M	87500	M	26	S	15000	0.51739	Y
2677	M	87500	М	38	P	7500	-1.19458	U

2678	М	87500	F	41	Р	35000	1.54243	Y
2679	М	87500	F	57	P	35000	1.54947	Y
2680	М	87500	F	21	Р	35000	1.35000	Y
2681	М	15000	М	34	P	15000	-1.33066	N
2682	М	15000	М	51	P	7500	-1.25795	N
2683	М	15000	F	25	P	2500	0.35489	Y
2684	M	15000	F	55	P	15000	-0.58617	<na></na>
2685	М	15000	M	46	P	15000	1.43143	<na></na>
2686	M	15000	F	62	P	15000	1.44059	Y
2687	M	15000	M	32	S	15000	1.51655	Y
2688	M	15000	F	43	P	35000	-0.17755	Y
2689	M	15000	M	56	P	15000	1.46057	Y
2690	M	15000	F	22	S	75000	0.87335	<na></na>
2691	M	15000	M	20	P	35000	0.85425	Y
2692	M	15000	F	21	S	35000	1.22231	Y
2693	M	15000	F	19	P	2500	-0.33442	U
2694	M	15000	F	41	P	7500	-0.61449	U
2695	M	15000	M	42	S	35000	-0.00233	U
2696	M	15000	M	42	P	15000	-1.26247	N
2697	M	15000	F	28	P	15000	1.32950	Y
2698	M	15000	F	44	P	75000	1.42045	Y
2699	M	15000	M	21	S	75000	0.18315	<na></na>
2700	M	15000	M	20	PS	35000	1.38179	Y

2.2.3.1 Social Issues

Writing of her work with the Landless People's Movement, Gaels Nijinsky stresses the cultural nature of mathematics and the power the subject gives to those who teach and do academic mathematics while subjugating practitioners of indigenous or "street" mathematics (Nijinsky 1997). Benny follows a similar path when detailing her journey from a believer that mathematics is value and culture-free to a person ques- motioning the power it holds over the adult population, particularly mature students. In her words, "I became committed to the notion that adult education has a vital role to play in a democratic society. I became convinced that the low level of numeracy in our society limit participation and critical citizenship (Benny 1998, p. 156)." In a separate paper, Benny argues that the education system perpetuates a limiting social class and working-class adults who return to study lack the social support system needed to prevail (Benny 1999). This is reminiscent of Parker's study on successful students—one of the key elements she found was the existence of a backup person willing to shoulder responsibilities so that the adult student is free to study. Coben's paper on Freida and mathematics education has been cited earlier in this chapter. She has also researched extensively on the Grampians view of "com- Mon sense" and its relation to mathematics education. Like Benny, Coben argues strenuously that knowledge of mathematics is socially powerful and possessing it carries prestige along with an assumption of superior intelligence in general. Common sense, on the other hand, is devalued and individuals who rely on it for mathematical decisions see themselves, and are seen by others, as socially inferior to individuals who can "do" academic mathematics (Cob-en 1999). Dias investigated the applicability of Freire's liberation pedagogy to a basic education program in Brazil. The teachers were accustomed to using his work in a literacy program but struggled to transfer that experience to the teaching of math- schematic. Teacher discussions revealed "the existence of strong ideological beliefs about how mathematics should be taught, who can learn it, and who knows it