

```
1 "/Users/joudomar/Desktop/Proj4_Copy/cmake-build-debug/Proj4_Copy"
2 84209 was saved for later use.
3 Insertion # 0 => 84209
4 Insertion # 1 => 95735
5 Insertion # 2 => 51496
6 94553 was saved for later use.
7 Insertion # 3 => 94553
8 Insertion # 4 => 10372
9 Insertion # 5 => 11201
10 38597 was saved for later use.
11 Insertion # 6 => 38597
12 Insertion # 7 => 18904
13 Insertion # 8 => 17241
14 44002 was saved for later use.
15 Insertion # 9 => 44002
16 Insertion # 10 => 10224
17 Insertion # 11 => 10289
18 56552 was saved for later use.
19 Insertion # 12 => 56552
20 Insertion # 13 => 97746
21 Insertion # 14 => 95248
22 77278 was saved for later use.
23 Insertion # 15 => 77278
24 Insertion # 16 => 48475
25 Insertion # 17 => 54604
26 50391 was saved for later use.
27 Insertion # 18 => 50391
28 Insertion # 19 => 52595
29 Insertion # 20 => 68638
```

```
30 37184 was saved for later use.  
31 Insertion # 21 => 37184  
32 Insertion # 22 => 8290  
33 Insertion # 23 => 34342  
34 33289 was saved for later use.  
35 Insertion # 24 => 33289  
36 Insertion # 25 => 63664  
37 Insertion # 26 => 90956  
38 26550 was saved for later use.  
39 Insertion # 27 => 26550  
40 Insertion # 28 => 80537  
41 Insertion # 29 => 82587  
42 77854 was saved for later use.  
43 Insertion # 30 => 77854  
44 Insertion # 31 => 29749  
45 Insertion # 32 => 82349  
46 13301 was saved for later use.  
47 Insertion # 33 => 13301  
48 Insertion # 34 => 7899  
49 Insertion # 35 => 83329  
50 51558 was saved for later use.  
51 Insertion # 36 => 51558  
52 Insertion # 37 => 83573  
53 Insertion # 38 => 37700  
54 2366 was saved for later use.  
55 Insertion # 39 => 2366  
56 Insertion # 40 => 62214  
57 Insertion # 41 => 9281  
58 32545 was saved for later use.
```

```
59 Insertion # 42 => 32545
60 Insertion # 43 => 68364
61 Insertion # 44 => 50435
62 29178 was saved for later use.
63 Insertion # 45 => 29178
64 Insertion # 46 => 74821
65 Insertion # 47 => 60798
66 73599 was saved for later use.
67 Insertion # 48 => 73599
68 Insertion # 49 => 36422
69 Message: dump after 50 insertions in a table with 101 buckets:
70 [0] : John (serial 94553)
71 [1] : John (serial 10372)
72 [2] : John (serial 11201)
73 [3] : John (serial 38597)
74 [4] : John (serial 18904)
75 [5] : John (serial 17241)
76 [6] : John (serial 44002)
77 [7] : John (serial 10224)
78 [8] : John (serial 10289)
79 [9] : John (serial 56552)
80 [10] : John (serial 97746)
81 [11] : John (serial 95248)
82 [12] : John (serial 77278)
83 [13] : John (serial 48475)
84 [14] : John (serial 54604)
85 [15] : John (serial 50391)
86 [16] : John (serial 52595)
87 [17] : John (serial 68638)
```

```
88 [18] : John (serial 37184)
89 [19] : John (serial 8290)
90 [20] : John (serial 34342)
91 [21] : John (serial 33289)
92 [22] : John (serial 63664)
93 [23] : John (serial 90956)
94 [24] : John (serial 26550)
95 [25] : John (serial 80537)
96 [26] : John (serial 82587)
97 [27] : John (serial 77854)
98 [28] : John (serial 29749)
99 [29] : John (serial 82349)
100 [30] : John (serial 13301)
101 [31] : John (serial 7899)
102 [32] : John (serial 83329)
103 [33] : John (serial 51558)
104 [34] : John (serial 83573)
105 [35] : John (serial 37700)
106 [36] : John (serial 2366)
107 [37] : John (serial 62214)
108 [38] : John (serial 9281)
109 [39] : John (serial 32545)
110 [40] : John (serial 68364)
111 [41] : John (serial 50435)
112 [42] : John (serial 29178)
113 [43] : John (serial 74821)
114 [44] : John (serial 60798)
115 [45] : John (serial 73599)
116 [46] : John (serial 36422)
```

```
117 [47] :  
118 [48] :  
119 [49] :  
120 [50] :  
121 [51] :  
122 [52] :  
123 [53] :  
124 [54] :  
125 [55] :  
126 [56] :  
127 [57] :  
128 [58] :  
129 [59] :  
130 [60] :  
131 [61] :  
132 [62] :  
133 [63] :  
134 [64] :  
135 [65] :  
136 [66] :  
137 [67] :  
138 [68] :  
139 [69] :  
140 [70] :  
141 [71] :  
142 [72] :  
143 [73] :  
144 [74] :  
145 [75] :
```

```
146 [76] :  
147 [77] :  
148 [78] :  
149 [79] :  
150 [80] :  
151 [81] :  
152 [82] :  
153 [83] :  
154 [84] :  
155 [85] :  
156 [86] :  
157 [87] :  
158 [88] :  
159 [89] :  
160 [90] :  
161 [91] :  
162 [92] :  
163 [93] :  
164 [94] :  
165 [95] :  
166 [96] :  
167 [97] :  
168 [98] : John (serial 84209)  
169 [99] : John (serial 95735)  
170 [100] : John (serial 51496)  
171 Insertion # 51 => 44768  
172 Message: dump after 51st insertion, the rehash should have happened to a  
table with 211 buckets:  
173 [0] :
```

```
174 [1] :  
175 [2] :  
176 [3] : John (serial 9281)  
177 [4] : John (serial 51496)  
178 [5] : John (serial 83329)  
179 [6] :  
180 [7] :  
181 [8] :  
182 [9] :  
183 [10] :  
184 [11] :  
185 [12] :  
186 [13] :  
187 [14] : John (serial 34342)  
188 [15] :  
189 [16] :  
190 [17] :  
191 [18] :  
192 [19] : John (serial 84209)  
193 [20] :  
194 [21] : John (serial 54604)  
195 [22] :  
196 [23] :  
197 [24] :  
198 [25] :  
199 [26] :  
200 [27] :  
201 [28] : John (serial 80537)  
202 [29] : John (serial 50435)
```

```
203 [30] :  
204 [31] :  
205 [32] :  
206 [33] : John (serial 82349)  
207 [34] :  
208 [35] :  
209 [36] : John (serial 94553)  
210 [37] : John (serial 10372)  
211 [38] :  
212 [39] :  
213 [40] : John (serial 11201)  
214 [41] :  
215 [42] : John (serial 36422)  
216 [43] :  
217 [44] :  
218 [45] : John (serial 38597)  
219 [46] :  
220 [47] :  
221 [48] :  
222 [49] :  
223 [50] : John (serial 50391)  
224 [51] :  
225 [52] : John (serial 18904)  
226 [53] :  
227 [54] :  
228 [55] : John (serial 33289)  
229 [56] :  
230 [57] :  
231 [58] :
```

```
232 [59] :  
233 [60] :  
234 [61] : John (serial 17241)  
235 [62] :  
236 [63] :  
237 [64] :  
238 [65] :  
239 [66] : John (serial 2366)  
240 [67] :  
241 [68] :  
242 [69] :  
243 [70] : John (serial 51558)  
244 [71] :  
245 [72] : John (serial 44002)  
246 [73] : John (serial 60798)  
247 [74] :  
248 [75] :  
249 [76] :  
250 [77] :  
251 [78] :  
252 [79] : John (serial 82587)  
253 [80] : John (serial 32545)  
254 [81] : John (serial 52595)  
255 [82] :  
256 [83] :  
257 [84] :  
258 [85] : John (serial 10224)  
259 [86] :  
260 [87] :
```

```
261 [88] :  
262 [89] :  
263 [90] :  
264 [91] :  
265 [92] : John (serial 13301)  
266 [93] :  
267 [94] :  
268 [95] :  
269 [96] :  
270 [97] :  
271 [98] : John (serial 63664)  
272 [99] :  
273 [100] : John (serial 10289)  
274 [101] :  
275 [102] :  
276 [103] :  
277 [104] :  
278 [105] :  
279 [106] :  
280 [107] :  
281 [108] :  
282 [109] :  
283 [110] :  
284 [111] :  
285 [112] : John (serial 29178)  
286 [113] :  
287 [114] : John (serial 68638)  
288 [115] :  
289 [116] : John (serial 95735)
```

```
290 [117] : John (serial 56552)
291 [118] :
292 [119] :
293 [120] :
294 [121] :
295 [122] :
296 [123] :
297 [124] :
298 [125] :
299 [126] :
300 [127] :
301 [128] :
302 [129] :
303 [130] :
304 [131] :
305 [132] : John (serial 77854)
306 [133] :
307 [134] :
308 [135] : John (serial 44768)
309 [136] : John (serial 97746)
310 [137] : John (serial 83573)
311 [138] :
312 [139] : John (serial 62214)
313 [140] :
314 [141] :
315 [142] :
316 [143] : John (serial 90956)
317 [144] :
318 [145] :
```

```
319 [146] :  
320 [147] :  
321 [148] :  
322 [149] : John (serial 37184)  
323 [150] :  
324 [151] :  
325 [152] :  
326 [153] : John (serial 7899)  
327 [154] :  
328 [155] :  
329 [156] :  
330 [157] : John (serial 95248)  
331 [158] :  
332 [159] : John (serial 68364)  
333 [160] :  
334 [161] :  
335 [162] : John (serial 73599)  
336 [163] :  
337 [164] :  
338 [165] :  
339 [166] :  
340 [167] :  
341 [168] :  
342 [169] :  
343 [170] :  
344 [171] :  
345 [172] :  
346 [173] :  
347 [174] :
```

```
348 [175] :  
349 [176] :  
350 [177] :  
351 [178] :  
352 [179] :  
353 [180] : John (serial 77278)  
354 [181] :  
355 [182] :  
356 [183] :  
357 [184] :  
358 [185] :  
359 [186] : John (serial 8290)  
360 [187] : John (serial 29749)  
361 [188] :  
362 [189] :  
363 [190] : John (serial 26550)  
364 [191] :  
365 [192] :  
366 [193] :  
367 [194] :  
368 [195] :  
369 [196] :  
370 [197] : John (serial 74821)  
371 [198] :  
372 [199] :  
373 [200] :  
374 [201] :  
375 [202] :  
376 [203] :
```

```
377 [204] :  
378 [205] : John (serial 48475)  
379 [206] : John (serial 37700)  
380 [207] :  
381 [208] :  
382 [209] :  
383 [210] :  
384 Message: dump after 14 removes, a rehash should have happened to a table  
with 157 buckets,  
385 Message: after 13 removals the rehash happens, then the 14th removal will  
be tagged as DELETED in the new table.  
386 [0] : John (serial 10372)  
387 [1] : John (serial 11201)  
388 [2] : John (serial 36422)  
389 [3] : John (serial 18904)  
390 [4] : John (serial 17241)  
391 [5] : DELETED (serial 0)  
392 [6] : John (serial 60798)  
393 [7] : John (serial 82587)  
394 [8] : John (serial 32545)  
395 [9] : John (serial 52595)  
396 [10] : John (serial 10224)  
397 [11] : John (serial 63664)  
398 [12] : John (serial 10289)  
399 [13] : John (serial 29178)  
400 [14] : John (serial 68638)  
401 [15] : John (serial 95735)  
402 [16] : John (serial 44768)  
403 [17] : John (serial 97746)
```

```
404 [18] : John (serial 83573)
405 [19] : John (serial 62214)
406 [20] : John (serial 90956)
407 [21] : John (serial 7899)
408 [22] : John (serial 95248)
409 [23] : John (serial 68364)
410 [24] : John (serial 73599)
411 [25] : John (serial 8290)
412 [26] : John (serial 29749)
413 [27] : John (serial 74821)
414 [28] : John (serial 48475)
415 [29] : John (serial 37700)
416 [30] :
417 [31] :
418 [32] :
419 [33] :
420 [34] :
421 [35] :
422 [36] :
423 [37] :
424 [38] :
425 [39] :
426 [40] :
427 [41] :
428 [42] :
429 [43] :
430 [44] :
431 [45] :
432 [46] :
```

```
433 [47] :  
434 [48] :  
435 [49] :  
436 [50] :  
437 [51] :  
438 [52] :  
439 [53] :  
440 [54] :  
441 [55] :  
442 [56] :  
443 [57] :  
444 [58] :  
445 [59] :  
446 [60] :  
447 [61] :  
448 [62] :  
449 [63] :  
450 [64] :  
451 [65] :  
452 [66] :  
453 [67] :  
454 [68] :  
455 [69] :  
456 [70] :  
457 [71] :  
458 [72] :  
459 [73] :  
460 [74] :  
461 [75] :
```

```
462 [76] :  
463 [77] :  
464 [78] :  
465 [79] :  
466 [80] :  
467 [81] :  
468 [82] :  
469 [83] :  
470 [84] :  
471 [85] :  
472 [86] :  
473 [87] :  
474 [88] :  
475 [89] :  
476 [90] :  
477 [91] :  
478 [92] :  
479 [93] :  
480 [94] :  
481 [95] :  
482 [96] :  
483 [97] :  
484 [98] :  
485 [99] :  
486 [100] :  
487 [101] :  
488 [102] :  
489 [103] :  
490 [104] :
```

```
491 [105] :  
492 [106] :  
493 [107] :  
494 [108] :  
495 [109] :  
496 [110] :  
497 [111] :  
498 [112] :  
499 [113] :  
500 [114] :  
501 [115] :  
502 [116] :  
503 [117] :  
504 [118] :  
505 [119] :  
506 [120] :  
507 [121] :  
508 [122] :  
509 [123] :  
510 [124] :  
511 [125] :  
512 [126] :  
513 [127] :  
514 [128] :  
515 [129] :  
516 [130] :  
517 [131] :  
518 [132] :  
519 [133] :
```

```
520 [134] :  
521 [135] :  
522 [136] :  
523 [137] :  
524 [138] :  
525 [139] :  
526 [140] :  
527 [141] :  
528 [142] :  
529 [143] :  
530 [144] :  
531 [145] :  
532 [146] :  
533 [147] :  
534 [148] :  
535 [149] : John (serial 9281)  
536 [150] : John (serial 51496)  
537 [151] : John (serial 83329)  
538 [152] : John (serial 34342)  
539 [153] : John (serial 54604)  
540 [154] : John (serial 80537)  
541 [155] : John (serial 50435)  
542 [156] : John (serial 82349)  
543  
544 Insertion # 0 => 21875  
545 Insertion # 1 => 80516  
546 Insertion # 2 => 16434  
547 Insertion # 3 => 96448  
548 Insertion # 4 => 74097
```

```
549 Insertion # 5 => 23543
550 Insertion # 6 => 86522
551 Insertion # 7 => 45496
552 Insertion # 8 => 83550
553 Insertion # 9 => 6191
554 Insertion # 10 => 53568
555 Insertion # 11 => 31091
556 Insertion # 12 => 68217
557 Insertion # 13 => 92566
558 Insertion # 14 => 67695
559 Insertion # 15 => 24243
560 Insertion # 16 => 26372
561 Insertion # 17 => 40713
562 Insertion # 18 => 63932
563 Insertion # 19 => 52962
564 Insertion # 20 => 82760
565 Insertion # 21 => 15808
566 Insertion # 22 => 17428
567 Insertion # 23 => 36461
568 Insertion # 24 => 84972
569 Insertion # 25 => 39744
570 Insertion # 26 => 76570
571 Insertion # 27 => 10580
572 Insertion # 28 => 73886
573 Insertion # 29 => 83280
574 Insertion # 30 => 48887
575 Insertion # 31 => 32576
576 Insertion # 32 => 52855
577 Insertion # 33 => 53221
```

```
578 Insertion # 34 => 76910
579 Insertion # 35 => 67806
580 Insertion # 36 => 20029
581 Insertion # 37 => 61054
582 Insertion # 38 => 40536
583 Insertion # 39 => 87796
584 Insertion # 40 => 48836
585 Insertion # 41 => 71112
586 Insertion # 42 => 58406
587 Insertion # 43 => 68062
588 Insertion # 44 => 81057
589 Insertion # 45 => 25561
590 Insertion # 46 => 14903
591 Insertion # 47 => 52564
592 Insertion # 48 => 4626
593 Insertion # 49 => 20181
594 [0] :
595 [1] :
596 [2] :
597 [3] : Dalton (serial 21875)
598 [4] : Dalton (serial 80516)
599 [5] : Dalton (serial 16434)
600 [6] : Dalton (serial 96448)
601 [7] : Dalton (serial 74097)
602 [8] : Dalton (serial 23543)
603 [9] : Dalton (serial 86522)
604 [10] : Dalton (serial 45496)
605 [11] : Dalton (serial 83550)
606 [12] : Dalton (serial 6191)
```

```
607 [13] : Dalton (serial 53568)
608 [14] : Dalton (serial 31091)
609 [15] : Dalton (serial 68217)
610 [16] : Dalton (serial 92566)
611 [17] : Dalton (serial 67695)
612 [18] : Dalton (serial 24243)
613 [19] : Dalton (serial 26372)
614 [20] : Dalton (serial 40713)
615 [21] : Dalton (serial 63932)
616 [22] : Dalton (serial 52962)
617 [23] : Dalton (serial 82760)
618 [24] : Dalton (serial 15808)
619 [25] : Dalton (serial 17428)
620 [26] : Dalton (serial 36461)
621 [27] : Dalton (serial 84972)
622 [28] : Dalton (serial 39744)
623 [29] : Dalton (serial 76570)
624 [30] : Dalton (serial 10580)
625 [31] : Dalton (serial 73886)
626 [32] : Dalton (serial 83280)
627 [33] : Dalton (serial 48887)
628 [34] : Dalton (serial 32576)
629 [35] : Dalton (serial 52855)
630 [36] : Dalton (serial 53221)
631 [37] : Dalton (serial 76910)
632 [38] : Dalton (serial 67806)
633 [39] : Dalton (serial 20029)
634 [40] : Dalton (serial 61054)
635 [41] : Dalton (serial 40536)
```

```
636 [42] : Dalton (serial 87796)
637 [43] : Dalton (serial 48836)
638 [44] : Dalton (serial 71112)
639 [45] : Dalton (serial 58406)
640 [46] : Dalton (serial 68062)
641 [47] : Dalton (serial 81057)
642 [48] : Dalton (serial 25561)
643 [49] : Dalton (serial 14903)
644 [50] : Dalton (serial 52564)
645 [51] : Dalton (serial 4626)
646 [52] : Dalton (serial 20181)
647 [53] :
648 [54] :
649 [55] :
650 [56] :
651 [57] :
652 [58] :
653 [59] :
654 [60] :
655 [61] :
656 [62] :
657 [63] :
658 [64] :
659 [65] :
660 [66] :
661 [67] :
662 [68] :
663 [69] :
664 [70] :
```

```
665 [71] :  
666 [72] :  
667 [73] :  
668 [74] :  
669 [75] :  
670 [76] :  
671 [77] :  
672 [78] :  
673 [79] :  
674 [80] :  
675 [81] :  
676 [82] :  
677 [83] :  
678 [84] :  
679 [85] :  
680 [86] :  
681 [87] :  
682 [88] :  
683 [89] :  
684 [90] :  
685 [91] :  
686 [92] :  
687 [93] :  
688 [94] :  
689 [95] :  
690 [96] :  
691 [97] :  
692 [98] :  
693 [99] :
```

```
694 [100] :  
695 Showing table size is the default since size is less than MIN  
696  
697 Lets delete some objects in this array for later rehashing use  
698 Deleting the same person twice has no affect on the program:  
699 Deleting some thing that does not exist has no affect on the program:  
700 [0] :  
701 [1] :  
702 [2] :  
703 [3] : DELETED (serial 0)  
704 [4] : Dalton (serial 80516)  
705 [5] : Dalton (serial 16434)  
706 [6] : Dalton (serial 96448)  
707 [7] : Dalton (serial 74097)  
708 [8] : Dalton (serial 23543)  
709 [9] : Dalton (serial 86522)  
710 [10] : Dalton (serial 45496)  
711 [11] : Dalton (serial 83550)  
712 [12] : Dalton (serial 6191)  
713 [13] : Dalton (serial 53568)  
714 [14] : Dalton (serial 31091)  
715 [15] : Dalton (serial 68217)  
716 [16] : Dalton (serial 92566)  
717 [17] : Dalton (serial 67695)  
718 [18] : Dalton (serial 24243)  
719 [19] : Dalton (serial 26372)  
720 [20] : Dalton (serial 40713)  
721 [21] : Dalton (serial 63932)  
722 [22] : Dalton (serial 52962)
```

```
723 [23] : Dalton (serial 82760)
724 [24] : Dalton (serial 15808)
725 [25] : Dalton (serial 17428)
726 [26] : Dalton (serial 36461)
727 [27] : Dalton (serial 84972)
728 [28] : Dalton (serial 39744)
729 [29] : Dalton (serial 76570)
730 [30] : Dalton (serial 10580)
731 [31] : Dalton (serial 73886)
732 [32] : Dalton (serial 83280)
733 [33] : Dalton (serial 48887)
734 [34] : Dalton (serial 32576)
735 [35] : Dalton (serial 52855)
736 [36] : Dalton (serial 53221)
737 [37] : Dalton (serial 76910)
738 [38] : Dalton (serial 67806)
739 [39] : Dalton (serial 20029)
740 [40] : Dalton (serial 61054)
741 [41] : Dalton (serial 40536)
742 [42] : Dalton (serial 87796)
743 [43] : Dalton (serial 48836)
744 [44] : Dalton (serial 71112)
745 [45] : DELETED (serial 0)
746 [46] : Dalton (serial 68062)
747 [47] : Dalton (serial 81057)
748 [48] : Dalton (serial 25561)
749 [49] : DELETED (serial 0)
750 [50] : Dalton (serial 52564)
751 [51] : Dalton (serial 4626)
```

```
752 [52] : DELETED (serial 0)
753 [53] :
754 [54] :
755 [55] :
756 [56] :
757 [57] :
758 [58] :
759 [59] :
760 [60] :
761 [61] :
762 [62] :
763 [63] :
764 [64] :
765 [65] :
766 [66] :
767 [67] :
768 [68] :
769 [69] :
770 [70] :
771 [71] :
772 [72] :
773 [73] :
774 [74] :
775 [75] :
776 [76] :
777 [77] :
778 [78] :
779 [79] :
780 [80] :
```

```
781 [81] :  
782 [82] :  
783 [83] :  
784 [84] :  
785 [85] :  
786 [86] :  
787 [87] :  
788 [88] :  
789 [89] :  
790 [90] :  
791 [91] :  
792 [92] :  
793 [93] :  
794 [94] :  
795 [95] :  
796 [96] :  
797 [97] :  
798 [98] :  
799 [99] :  
800 [100] :  
801 Lets add another element to test if the rehash is triggered,  
802 we will see what happens with the deleted objects:  
803 [0] :  
804 [1] :  
805 [2] : Dalton (serial 48836)  
806 [3] :  
807 [4] :  
808 [5] :  
809 [6] :
```

```
810 [7] :  
811 [8] :  
812 [9] : Dalton (serial 80516)  
813 [10] : Dalton (serial 16434)  
814 [11] :  
815 [12] : Dalton (serial 39744)  
816 [13] : Dalton (serial 96448)  
817 [14] : Dalton (serial 24243)  
818 [15] : Dalton (serial 52855)  
819 [16] :  
820 [17] :  
821 [18] : Dalton (serial 74097)  
822 [19] : Dalton (serial 67806)  
823 [20] :  
824 [21] :  
825 [22] :  
826 [23] :  
827 [24] : Dalton (serial 20181)  
828 [25] : Dalton (serial 23543)  
829 [26] :  
830 [27] : Dalton (serial 15808)  
831 [28] :  
832 [29] : Dalton (serial 83280)  
833 [30] :  
834 [31] :  
835 [32] :  
836 [33] :  
837 [34] : Dalton (serial 86522)  
838 [35] : Dalton (serial 52564)
```

```
839 [36] :  
840 [37] :  
841 [38] :  
842 [39] :  
843 [40] :  
844 [41] : Dalton (serial 40536)  
845 [42] :  
846 [43] : Dalton (serial 26372)  
847 [44] :  
848 [45] : Dalton (serial 45496)  
849 [46] :  
850 [47] :  
851 [48] :  
852 [49] :  
853 [50] :  
854 [51] :  
855 [52] :  
856 [53] :  
857 [54] : Dalton (serial 81057)  
858 [55] :  
859 [56] :  
860 [57] :  
861 [58] : Dalton (serial 83550)  
862 [59] :  
863 [60] :  
864 [61] : Dalton (serial 76570)  
865 [62] :  
866 [63] :  
867 [64] :
```

```
868 [65] :  
869 [66] :  
870 [67] :  
871 [68] : Dalton (serial 17428)  
872 [69] :  
873 [70] :  
874 [71] :  
875 [72] :  
876 [73] : Dalton (serial 6191)  
877 [74] : Dalton (serial 40713)  
878 [75] :  
879 [76] :  
880 [77] :  
881 [78] : Dalton (serial 53221)  
882 [79] :  
883 [80] :  
884 [81] : Dalton (serial 71112)  
885 [82] :  
886 [83] :  
887 [84] :  
888 [85] :  
889 [86] : Dalton (serial 48887)  
890 [87] :  
891 [88] : Dalton (serial 20029)  
892 [89] :  
893 [90] : Dalton (serial 53568)  
894 [91] :  
895 [92] :  
896 [93] :
```

```
897 [94] :  
898 [95] :  
899 [96] :  
900 [97] :  
901 [98] :  
902 [99] :  
903 [100] :  
904 [101] :  
905 [102] :  
906 [103] :  
907 [104] :  
908 [105] :  
909 [106] :  
910 [107] : Dalton (serial 63932)  
911 [108] :  
912 [109] : Dalton (serial 31091)  
913 [110] :  
914 [111] : Dalton (serial 36461)  
915 [112] : Dalton (serial 10580)  
916 [113] :  
917 [114] :  
918 [115] :  
919 [116] : Dalton (serial 87796)  
920 [117] :  
921 [118] :  
922 [119] :  
923 [120] :  
924 [121] :  
925 [122] :
```

```
926 [123] :  
927 [124] : Dalton (serial 4626)  
928 [125] :  
929 [126] :  
930 [127] :  
931 [128] :  
932 [129] :  
933 [130] : Dalton (serial 68217)  
934 [131] :  
935 [132] :  
936 [133] :  
937 [134] :  
938 [135] :  
939 [136] :  
940 [137] :  
941 [138] :  
942 [139] : Dalton (serial 25561)  
943 [140] :  
944 [141] :  
945 [142] : Dalton (serial 52962)  
946 [143] : Dalton (serial 76910)  
947 [144] :  
948 [145] : Dalton (serial 32576)  
949 [146] :  
950 [147] :  
951 [148] :  
952 [149] :  
953 [150] :  
954 [151] :
```

```
955 [152] :  
956 [153] : Dalton (serial 92566)  
957 [154] :  
958 [155] :  
959 [156] : Dalton (serial 84972)  
960 [157] :  
961 [158] :  
962 [159] : Dalton (serial 61054)  
963 [160] :  
964 [161] :  
965 [162] : Dalton (serial 68062)  
966 [163] :  
967 [164] :  
968 [165] : Dalton (serial 73886)  
969 [166] :  
970 [167] :  
971 [168] :  
972 [169] :  
973 [170] :  
974 [171] :  
975 [172] :  
976 [173] :  
977 [174] :  
978 [175] :  
979 [176] :  
980 [177] :  
981 [178] : Dalton (serial 67695)  
982 [179] : Dalton (serial 82760)  
983 [180] :
```

```
984 [181] :  
985 [182] :  
986 [183] :  
987 [184] :  
988 [185] :  
989 [186] :  
990 [187] :  
991 [188] :  
992 [189] :  
993 [190] :  
994 As you can see, the size of array doubled and the rehash was triggered,  
995 the first person was Deleted and it was ignored by the program.  
996 Dalton 80516 was inserted into the correct hash as the first index:  
997 93. The second index is 94, the third is  $93+2^2 \% 4 = 97$   
998  
999 Now lets add even more elements to trigger the switch back to Linear  
Probing:  
1000 Insertion # 0 => 89377  
1001 Insertion # 1 => 38611  
1002 Insertion # 2 => 53018  
1003 Insertion # 3 => 52757  
1004 Insertion # 4 => 97168  
1005 Insertion # 5 => 95169  
1006 Insertion # 6 => 25229  
1007 Insertion # 7 => 81512  
1008 Insertion # 8 => 18298  
1009 Insertion # 9 => 81407  
1010 Insertion # 10 => 85765  
1011 Insertion # 11 => 41720
```

```
1012 Insertion # 12 => 98620
1013 Insertion # 13 => 2362
1014 Insertion # 14 => 96856
1015 Insertion # 15 => 77851
1016 Insertion # 16 => 51255
1017 Insertion # 17 => 57563
1018 Insertion # 18 => 79609
1019 Insertion # 19 => 95898
1020 Insertion # 20 => 69661
1021 Insertion # 21 => 83841
1022 Insertion # 22 => 72022
1023 Insertion # 23 => 14546
1024 Insertion # 24 => 40697
1025 Insertion # 25 => 29064
1026 Insertion # 26 => 24889
1027 Insertion # 27 => 8913
1028 Insertion # 28 => 31810
1029 Insertion # 29 => 62708
1030 Insertion # 30 => 27098
1031 Insertion # 31 => 41145
1032 Insertion # 32 => 75129
1033 Insertion # 33 => 36984
1034 Insertion # 34 => 48232
1035 Insertion # 35 => 88397
1036 Insertion # 36 => 38065
1037 Insertion # 37 => 27560
1038 Insertion # 38 => 40334
1039 Insertion # 39 => 36582
1040 Insertion # 40 => 99838
```

```
1041 Insertion # 41 => 70216
1042 Insertion # 42 => 45866
1043 Insertion # 43 => 95654
1044 Insertion # 44 => 57415
1045 Insertion # 45 => 70987
1046 Insertion # 46 => 18490
1047 Insertion # 47 => 53982
1048 Insertion # 48 => 51765
1049 Insertion # 49 => 50658
1050 [0] :
1051 [1] :
1052 [2] :
1053 [3] :
1054 [4] :
1055 [5] :
1056 [6] :
1057 [7] :
1058 [8] :
1059 [9] :
1060 [10] :
1061 [11] :
1062 [12] :
1063 [13] :
1064 [14] :
1065 [15] :
1066 [16] :
1067 [17] :
1068 [18] :
1069 [19] :
```

1070	[20]	:
1071	[21]	:
1072	[22]	:
1073	[23]	:
1074	[24]	:
1075	[25]	:
1076	[26]	:
1077	[27]	:
1078	[28]	:
1079	[29]	:
1080	[30]	:
1081	[31]	:
1082	[32]	:
1083	[33]	:
1084	[34]	:
1085	[35]	:
1086	[36]	:
1087	[37]	:
1088	[38]	:
1089	[39]	:
1090	[40]	:
1091	[41]	:
1092	[42]	:
1093	[43]	:
1094	[44]	:
1095	[45]	:
1096	[46]	:
1097	[47]	:
1098	[48]	:

1099	[49]	:
1100	[50]	:
1101	[51]	:
1102	[52]	:
1103	[53]	:
1104	[54]	:
1105	[55]	:
1106	[56]	:
1107	[57]	:
1108	[58]	:
1109	[59]	:
1110	[60]	:
1111	[61]	:
1112	[62]	:
1113	[63]	:
1114	[64]	:
1115	[65]	:
1116	[66]	:
1117	[67]	:
1118	[68]	:
1119	[69]	:
1120	[70]	:
1121	[71]	:
1122	[72]	:
1123	[73]	:
1124	[74]	:
1125	[75]	:
1126	[76]	:
1127	[77]	:

```
1128 [78] :  
1129 [79] :  
1130 [80] :  
1131 [81] :  
1132 [82] :  
1133 [83] :  
1134 [84] :  
1135 [85] :  
1136 [86] :  
1137 [87] :  
1138 [88] : Rob (serial 51765)  
1139 [89] : Rob (serial 8913)  
1140 [90] : Rob (serial 27098)  
1141 [91] : Rob (serial 69661)  
1142 [92] : Rob (serial 45866)  
1143 [93] : Rob (serial 81407)  
1144 [94] : Rob (serial 96856)  
1145 [95] : Rob (serial 89377)  
1146 [96] : Rob (serial 57415)  
1147 [97] : Rob (serial 38611)  
1148 [98] : Rob (serial 85765)  
1149 [99] : Rob (serial 14546)  
1150 [100] : Rob (serial 53018)  
1151 [101] : Rob (serial 29064)  
1152 [102] : Rob (serial 48232)  
1153 [103] : Rob (serial 27560)  
1154 [104] : Rob (serial 77851)  
1155 [105] : Rob (serial 83841)  
1156 [106] : Rob (serial 53982)
```

```
1157 [107] : Rob (serial 52757)
1158 [108] : Rob (serial 36582)
1159 [109] : Rob (serial 41720)
1160 [110] : Rob (serial 70987)
1161 [111] : Rob (serial 41145)
1162 [112] : Dalton (serial 48836)
1163 [113] : Dalton (serial 80516)
1164 [114] : Dalton (serial 16434)
1165 [115] : Dalton (serial 39744)
1166 [116] : Dalton (serial 96448)
1167 [117] : Dalton (serial 24243)
1168 [118] : Dalton (serial 52855)
1169 [119] : Dalton (serial 74097)
1170 [120] : Dalton (serial 67806)
1171 [121] : Dalton (serial 20181)
1172 [122] : Dalton (serial 23543)
1173 [123] : Dalton (serial 15808)
1174 [124] : Dalton (serial 83280)
1175 [125] : Dalton (serial 86522)
1176 [126] : Dalton (serial 52564)
1177 [127] : Dalton (serial 40536)
1178 [128] : Dalton (serial 26372)
1179 [129] : Dalton (serial 45496)
1180 [130] : Dalton (serial 81057)
1181 [131] : Dalton (serial 83550)
1182 [132] : Dalton (serial 76570)
1183 [133] : Dalton (serial 17428)
1184 [134] : Dalton (serial 6191)
1185 [135] : Dalton (serial 40713)
```

```
1186 [136] : Dalton (serial 53221)
1187 [137] : Dalton (serial 71112)
1188 [138] : Dalton (serial 48887)
1189 [139] : Dalton (serial 20029)
1190 [140] : Dalton (serial 53568)
1191 [141] : Rob (serial 97168)
1192 [142] : Rob (serial 70216)
1193 [143] : Rob (serial 95898)
1194 [144] : Rob (serial 51255)
1195 [145] : Rob (serial 95169)
1196 [146] : Dalton (serial 63932)
1197 [147] : Dalton (serial 31091)
1198 [148] : Dalton (serial 36461)
1199 [149] : Dalton (serial 10580)
1200 [150] : Rob (serial 62708)
1201 [151] : Dalton (serial 87796)
1202 [152] : Rob (serial 72022)
1203 [153] : Rob (serial 24889)
1204 [154] : Rob (serial 95654)
1205 [155] : Rob (serial 25229)
1206 [156] : Dalton (serial 4626)
1207 [157] : Dalton (serial 68217)
1208 [158] : Rob (serial 18490)
1209 [159] : Dalton (serial 25561)
1210 [160] : Rob (serial 98620)
1211 [161] : Dalton (serial 52962)
1212 [162] : Dalton (serial 76910)
1213 [163] : Rob (serial 57563)
1214 [164] : Dalton (serial 32576)
```

```
1215 [165] : Rob (serial 31810)
1216 [166] : Rob (serial 88397)
1217 [167] : Rob (serial 38065)
1218 [168] : Dalton (serial 92566)
1219 [169] : Dalton (serial 84972)
1220 [170] : Rob (serial 36984)
1221 [171] : Dalton (serial 61054)
1222 [172] : Rob (serial 40334)
1223 [173] : Dalton (serial 68062)
1224 [174] : Rob (serial 81512)
1225 [175] : Dalton (serial 73886)
1226 [176] : Rob (serial 75129)
1227 [177] : Rob (serial 2362)
1228 [178] : Rob (serial 40697)
1229 [179] : Rob (serial 99838)
1230 [180] : Dalton (serial 67695)
1231 [181] : Dalton (serial 82760)
1232 [182] : Rob (serial 18298)
1233 [183] : Rob (serial 79609)
1234 [184] : Rob (serial 50658)
1235 [185] :
1236 [186] :
1237 [187] :
1238 [188] :
1239 [189] :
1240 [190] :
1241 [191] :
1242 [192] :
1243 [193] :
```

```
1244 [194] :  
1245 [195] :  
1246 [196] :  
1247 [197] :  
1248 [198] :  
1249 [199] :  
1250 [200] :  
1251 [201] :  
1252 [202] :  
1253 [203] :  
1254 [204] :  
1255 [205] :  
1256 [206] :  
1257 [207] :  
1258 [208] :  
1259 [209] :  
1260 [210] :  
1261 [211] :  
1262 [212] :  
1263 [213] :  
1264 [214] :  
1265 [215] :  
1266 [216] :  
1267 [217] :  
1268 [218] :  
1269 [219] :  
1270 [220] :  
1271 [221] :  
1272 [222] :
```

1273	[223]	:
1274	[224]	:
1275	[225]	:
1276	[226]	:
1277	[227]	:
1278	[228]	:
1279	[229]	:
1280	[230]	:
1281	[231]	:
1282	[232]	:
1283	[233]	:
1284	[234]	:
1285	[235]	:
1286	[236]	:
1287	[237]	:
1288	[238]	:
1289	[239]	:
1290	[240]	:
1291	[241]	:
1292	[242]	:
1293	[243]	:
1294	[244]	:
1295	[245]	:
1296	[246]	:
1297	[247]	:
1298	[248]	:
1299	[249]	:
1300	[250]	:
1301	[251]	:

1302	[252]	:
1303	[253]	:
1304	[254]	:
1305	[255]	:
1306	[256]	:
1307	[257]	:
1308	[258]	:
1309	[259]	:
1310	[260]	:
1311	[261]	:
1312	[262]	:
1313	[263]	:
1314	[264]	:
1315	[265]	:
1316	[266]	:
1317	[267]	:
1318	[268]	:
1319	[269]	:
1320	[270]	:
1321	[271]	:
1322	[272]	:
1323	[273]	:
1324	[274]	:
1325	[275]	:
1326	[276]	:
1327	[277]	:
1328	[278]	:
1329	[279]	:
1330	[280]	:

1331	[281]	:
1332	[282]	:
1333	[283]	:
1334	[284]	:
1335	[285]	:
1336	[286]	:
1337	[287]	:
1338	[288]	:
1339	[289]	:
1340	[290]	:
1341	[291]	:
1342	[292]	:
1343	[293]	:
1344	[294]	:
1345	[295]	:
1346	[296]	:
1347	[297]	:
1348	[298]	:
1349	[299]	:
1350	[300]	:
1351	[301]	:
1352	[302]	:
1353	[303]	:
1354	[304]	:
1355	[305]	:
1356	[306]	:
1357	[307]	:
1358	[308]	:
1359	[309]	:

1360	[310]	:
1361	[311]	:
1362	[312]	:
1363	[313]	:
1364	[314]	:
1365	[315]	:
1366	[316]	:
1367	[317]	:
1368	[318]	:
1369	[319]	:
1370	[320]	:
1371	[321]	:
1372	[322]	:
1373	[323]	:
1374	[324]	:
1375	[325]	:
1376	[326]	:
1377	[327]	:
1378	[328]	:
1379	[329]	:
1380	[330]	:
1381	[331]	:
1382	[332]	:
1383	[333]	:
1384	[334]	:
1385	[335]	:
1386	[336]	:
1387	[337]	:
1388	[338]	:

1389	[339]	:
1390	[340]	:
1391	[341]	:
1392	[342]	:
1393	[343]	:
1394	[344]	:
1395	[345]	:
1396	[346]	:
1397	[347]	:
1398	[348]	:
1399	[349]	:
1400	[350]	:
1401	[351]	:
1402	[352]	:
1403	[353]	:
1404	[354]	:
1405	[355]	:
1406	[356]	:
1407	[357]	:
1408	[358]	:
1409	[359]	:
1410	[360]	:
1411	[361]	:
1412	[362]	:
1413	[363]	:
1414	[364]	:
1415	[365]	:
1416	[366]	:
1417	[367]	:

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1418 [368] :  
1419 [369] :  
1420 [370] :  
1421 [371] :  
1422 [372] :  
1423 [373] :  
1424 [374] :  
1425 [375] :  
1426 [376] :  
1427 [377] :  
1428 [378] :  
1429 [379] :  
1430 [380] :  
1431 [381] :  
1432 [382] :  
1433 [383] :  
1434 [384] :  
1435 [385] :  
1436 [386] :  
1437 [387] :  
1438 [388] :  
1439 The trigger occurred, Notice that the keys also affect the index  
1440  
1441 Measuring the efficiency of insertion functionality:  
1442 Inserting 100 members took with table size 211 took 710 clock ticks (0.  
00071 seconds)!  
1443 Inserting 200 members took with table size 401 took 2863 clock ticks (0.  
002863 seconds)!  
1444 Inserting 400 members took with table size 809 took 10353 clock ticks (0.
```

```
1444 010353 seconds)!  
1445 Inserting 800 members took with table size 1601 took 40299 clock ticks (0.  
040299 seconds)!  
1446 Inserting 1600 members took with table size 3203 took 161612 clock ticks (0.  
161612 seconds)!  
1447 Inserting 3200 members took with table size 6421 took 641809 clock ticks (0.  
641809 seconds)!  
1448 Inserting 6400 members took with table size 12809 took 3.01718e+06 clock  
ticks (3.01718 seconds)!  
1449 Check to see if trigger occurred by setting probing policy function  
1450 [0] : Dalton (serial 25561)  
1451 [1] :  
1452 [2] :  
1453 [3] :  
1454 [4] :  
1455 [5] :  
1456 [6] :  
1457 [7] :  
1458 [8] :  
1459 [9] :  
1460 [10] : Dalton (serial 53221)  
1461 [11] :  
1462 [12] : Dalton (serial 40536)  
1463 [13] :  
1464 [14] :  
1465 [15] :  
1466 [16] : Dalton (serial 92566)  
1467 [17] :  
1468 [18] :
```

```
1469 [19] :  
1470 [20] :  
1471 [21] :  
1472 [22] :  
1473 [23] : Rob (serial 53982)  
1474 [24] :  
1475 [25] :  
1476 [26] :  
1477 [27] :  
1478 [28] :  
1479 [29] :  
1480 [30] :  
1481 [31] :  
1482 [32] :  
1483 [33] :  
1484 [34] : Dalton (serial 36461)  
1485 [35] :  
1486 [36] :  
1487 [37] :  
1488 [38] :  
1489 [39] : Rob (serial 51255)  
1490 [40] :  
1491 [41] :  
1492 [42] :  
1493 [43] :  
1494 [44] :  
1495 [45] :  
1496 [46] :  
1497 [47] : Dalton (serial 26372)
```

```
1498 [48] :  
1499 [49] :  
1500 [50] :  
1501 [51] :  
1502 [52] :  
1503 [53] : Rob (serial 88397)  
1504 [54] :  
1505 [55] :  
1506 [56] :  
1507 [57] :  
1508 [58] : Rob (serial 18298)  
1509 [59] :  
1510 [60] : Rob (serial 52757)  
1511 [61] :  
1512 [62] :  
1513 [63] : Dalton (serial 71112)  
1514 [64] :  
1515 [65] :  
1516 [66] :  
1517 [67] :  
1518 [68] :  
1519 [69] :  
1520 [70] :  
1521 [71] :  
1522 [72] :  
1523 [73] :  
1524 [74] :  
1525 [75] :  
1526 [76] :
```

```
1527 [77] : Rob (serial 25229)
1528 [78] :
1529 [79] : Rob (serial 75129)
1530 [80] :
1531 [81] :
1532 [82] : Dalton (serial 67695)
1533 [83] :
1534 [84] : Dalton (serial 45496)
1535 [85] :
1536 [86] :
1537 [87] :
1538 [88] : Rob (serial 51765)
1539 [89] : Rob (serial 8913)
1540 [90] :
1541 [91] :
1542 [92] : Rob (serial 27098)
1543 [93] :
1544 [94] : Rob (serial 95169)
1545 [95] :
1546 [96] :
1547 [97] : Rob (serial 69661)
1548 [98] :
1549 [99] : Rob (serial 36582)
1550 [100] :
1551 [101] : Dalton (serial 10580)
1552 [102] :
1553 [103] : Dalton (serial 84972)
1554 [104] : Rob (serial 45866)
1555 [105] :
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1556 [106] :  
1557 [107] :  
1558 [108] :  
1559 [109] :  
1560 [110] :  
1561 [111] :  
1562 [112] : Dalton (serial 48836)  
1563 [113] : Rob (serial 81407)  
1564 [114] :  
1565 [115] :  
1566 [116] : Dalton (serial 80516)  
1567 [117] :  
1568 [118] : Dalton (serial 48887)  
1569 [119] :  
1570 [120] :  
1571 [121] : Dalton (serial 16434)  
1572 [122] :  
1573 [123] : Dalton (serial 81057)  
1574 [124] : Rob (serial 96856)  
1575 [125] :  
1576 [126] :  
1577 [127] :  
1578 [128] : Dalton (serial 39744)  
1579 [129] :  
1580 [130] :  
1581 [131] :  
1582 [132] : Rob (serial 38065)  
1583 [133] :  
1584 [134] :
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1585 [135] :  
1586 [136] :  
1587 [137] : Rob (serial 89377)  
1588 [138] :  
1589 [139] :  
1590 [140] : Rob (serial 41720)  
1591 [141] :  
1592 [142] :  
1593 [143] :  
1594 [144] :  
1595 [145] :  
1596 [146] : Rob (serial 18490)  
1597 [147] :  
1598 [148] : Dalton (serial 96448)  
1599 [149] :  
1600 [150] :  
1601 [151] : Rob (serial 62708)  
1602 [152] : Rob (serial 57415)  
1603 [153] :  
1604 [154] :  
1605 [155] : Rob (serial 79609)  
1606 [156] : Dalton (serial 52962)  
1607 [157] :  
1608 [158] :  
1609 [159] :  
1610 [160] :  
1611 [161] : Dalton (serial 24243)  
1612 [162] :  
1613 [163] :
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1614 [164] : Dalton (serial 83550)
1615 [165] :
1616 [166] :
1617 [167] :
1618 [168] : Rob (serial 2362)
1619 [169] : Rob (serial 38611)
1620 [170] : Dalton (serial 87796)
1621 [171] :
1622 [172] :
1623 [173] :
1624 [174] :
1625 [175] : Dalton (serial 20029)
1626 [176] : Dalton (serial 52855)
1627 [177] :
1628 [178] :
1629 [179] : Dalton (serial 82760)
1630 [180] :
1631 [181] :
1632 [182] :
1633 [183] : Rob (serial 70987)
1634 [184] :
1635 [185] :
1636 [186] :
1637 [187] :
1638 [188] : Rob (serial 85765)
1639 [189] :
1640 [190] :
1641 [191] :
1642 [192] : Dalton (serial 61054)
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1643 [193] : Dalton (serial 74097)
1644 [194] :
1645 [195] :
1646 [196] :
1647 [197] :
1648 [198] :
1649 [199] :
1650 [200] :
1651 [201] :
1652 [202] :
1653 [203] :
1654 [204] :
1655 [205] :
1656 [206] :
1657 [207] : Dalton (serial 76570)
1658 [208] :
1659 [209] : Rob (serial 14546)
1660 [210] : Rob (serial 72022)
1661 [211] :
1662 [212] : Dalton (serial 67806)
1663 [213] : Rob (serial 36984)
1664 [214] :
1665 [215] :
1666 [216] :
1667 [217] : Rob (serial 98620)
1668 [218] :
1669 [219] :
1670 [220] :
1671 [221] :
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1672 [222] :  
1673 [223] :  
1674 [224] :  
1675 [225] :  
1676 [226] :  
1677 [227] :  
1678 [228] : Rob (serial 41145)  
1679 [229] :  
1680 [230] :  
1681 [231] :  
1682 [232] : Rob (serial 53018)  
1683 [233] : Dalton (serial 20181)  
1684 [234] : Dalton (serial 53568)  
1685 [235] :  
1686 [236] :  
1687 [237] : Dalton (serial 76910)  
1688 [238] :  
1689 [239] :  
1690 [240] :  
1691 [241] : Dalton (serial 4626)  
1692 [242] :  
1693 [243] :  
1694 [244] :  
1695 [245] :  
1696 [246] :  
1697 [247] :  
1698 [248] :  
1699 [249] :  
1700 [250] :
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1701 [251] :  
1702 [252] : Dalton (serial 17428)  
1703 [253] :  
1704 [254] : Rob (serial 50658)  
1705 [255] :  
1706 [256] : Dalton (serial 23543)  
1707 [257] : Rob (serial 29064)  
1708 [258] :  
1709 [259] : Rob (serial 40697)  
1710 [260] :  
1711 [261] :  
1712 [262] :  
1713 [263] :  
1714 [264] :  
1715 [265] :  
1716 [266] :  
1717 [267] :  
1718 [268] :  
1719 [269] :  
1720 [270] :  
1721 [271] : Rob (serial 24889)  
1722 [272] :  
1723 [273] :  
1724 [274] :  
1725 [275] : Rob (serial 97168)  
1726 [276] :  
1727 [277] :  
1728 [278] :  
1729 [279] :
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1730 [280] :  
1731 [281] : Dalton (serial 15808)  
1732 [282] :  
1733 [283] : Dalton (serial 68062)  
1734 [284] : Rob (serial 48232)  
1735 [285] :  
1736 [286] :  
1737 [287] :  
1738 [288] :  
1739 [289] :  
1740 [290] : Rob (serial 57563)  
1741 [291] :  
1742 [292] :  
1743 [293] :  
1744 [294] :  
1745 [295] : Dalton (serial 63932)  
1746 [296] : Rob (serial 40334)  
1747 [297] :  
1748 [298] :  
1749 [299] : Dalton (serial 6191)  
1750 [300] :  
1751 [301] :  
1752 [302] :  
1753 [303] :  
1754 [304] :  
1755 [305] :  
1756 [306] :  
1757 [307] :  
1758 [308] : Dalton (serial 83280)
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1759 [309] :  
1760 [310] :  
1761 [311] :  
1762 [312] :  
1763 [313] : Rob (serial 27560)  
1764 [314] : Dalton (serial 68217)  
1765 [315] :  
1766 [316] :  
1767 [317] :  
1768 [318] :  
1769 [319] :  
1770 [320] : Dalton (serial 32576)  
1771 [321] :  
1772 [322] :  
1773 [323] :  
1774 [324] : Rob (serial 70216)  
1775 [325] :  
1776 [326] :  
1777 [327] :  
1778 [328] :  
1779 [329] :  
1780 [330] :  
1781 [331] :  
1782 [332] :  
1783 [333] :  
1784 [334] : Rob (serial 95654)  
1785 [335] :  
1786 [336] :  
1787 [337] : Dalton (serial 86522)
```

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1788 [338] :  
1789 [339] :  
1790 [340] :  
1791 [341] :  
1792 [342] :  
1793 [343] :  
1794 [344] : Rob (serial 77851)  
1795 [345] :  
1796 [346] :  
1797 [347] :  
1798 [348] : Dalton (serial 40713)  
1799 [349] :  
1800 [350] :  
1801 [351] :  
1802 [352] : Rob (serial 99838)  
1803 [353] :  
1804 [354] :  
1805 [355] :  
1806 [356] :  
1807 [357] :  
1808 [358] : Dalton (serial 31091)  
1809 [359] :  
1810 [360] :  
1811 [361] :  
1812 [362] :  
1813 [363] :  
1814 [364] :  
1815 [365] : Rob (serial 31810)  
1816 [366] :
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1817 [367] :  
1818 [368] : Dalton (serial 52564)  
1819 [369] :  
1820 [370] :  
1821 [371] :  
1822 [372] :  
1823 [373] :  
1824 [374] :  
1825 [375] : Rob (serial 95898)  
1826 [376] : Dalton (serial 73886)  
1827 [377] : Rob (serial 83841)  
1828 [378] :  
1829 [379] :  
1830 [380] :  
1831 [381] : Rob (serial 81512)  
1832 [382] :  
1833 [383] :  
1834 [384] :  
1835 [385] :  
1836 [386] :  
1837 [387] :  
1838 [388] :  
1839  
1840 Process finished with exit code 0  
1841
```