

# Radiological Survey Sheet

Job Location PFIZER INC., GROTON, CT 06340 Page 1 of 21

Survey Purpose DECOMMISSIONING LAB 118B / 9302 Date 10-28-09

Performed by E. GAILOR (Print) E. Gailor (Sign)

<b>Instrument (Model/S/N)</b>	Packard Tri-Carb S/N 431521	Packard Tri-Carb S/N 431520	Ludlum 2241-2 163603	Wallac Model 1409 S/N 4061042
<b>Det. (Model/SN)</b>	Internal	Internal	Ludlum 43-68 PR 149613	Internal
<b>Type Rad.</b>	$\beta$	$\beta$	$\beta$	$\beta$
<b>Cal. Due:</b>	04/03/2010	04/03/2010	<sup>21</sup> 04/07/2010	04/03/2010
<b>Check Instruments Used</b>	✓		✓	

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
1.	0730	BACKGROUND	
2.			
3.		UPPER door	
4.		LOWER "	
5.		FLOOR	
6.		UPPER WALL	
7.		LOWER "	
8.		UPPER "	
9.		LOWER "	
10.		UPPER "	
11.		LOWER "	
12.		UPPER SIDE OF HOOD	
13.		LOWER " " "	
14.		CHAIR 1	
15.		" 2	
16.		" 3	
17.		FLOOR	
18.	✓	LEFT SIDE OF HOOD	
		TOP BACK OF HOOD	
		RIGHT SIDE	
		LEFT SIDE	

# Radiological Survey Continuation Sheet

Page 2 of 21

Date 10-28-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
19	0730	TOP BACK OF HOOD LEFT SIDE	
20		LEFT SIDE OF HOOD	
21		BOTTOM <sup>BACK</sup> OF HOOD RIGHT SIDE	
22		" BACK " " LEFT SIDE	
23		BOTTOM OF HOOD RIGHT SIDE	
24		" " " LEFT "	
25		HOOD GASH INSIDE	
26		" " OUTSIDE	
27		OUTSIDE RIGHT SIDE OF HOOD	
28		" LEFT " " "	
29		CAB DOORS & HANDLES	
30		INSIDE CAB	
31		CAB DOORS & HANDLES	
32		INSIDE CAB	
33		TOP SHELF	
34		2ND "	
35		3RD "	
36		BOTTOM "	
37		UPPER WALL	
38		LOWER "	
39		TOP SHELF	
40		2ND "	
41		3RD "	
42		UPPER WALL	
43		LEDGE	
44		SHELF	
45	✓	LOWER WALL	

# Radiological Survey Continuation Sheet

Page 3 of 21

Date 10-28-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
46	0730	TOP SHELF	
47		2ND "	
48		BOTTOM "	
49		LEDGE	
50		TOP SHELF	
51		2ND "	
52		3RD SHELVES	
53		DESK	
54		DRAWERS & HANDLS	
55		TOP DRAWER	
56		2ND "	
57		3RD "	
58		DRAWER	
59		DRAWERS & HANDLS	
60		TOP DRAWER	
61		2ND "	
62		3RD "	
63		4TH "	
<del>64</del> 64		DRAWERS & HANDLS	
65		TOP DRAWER	
66		2ND "	
<del>67</del> 67		3RD "	
68		4TH "	
69		DRAWER	
70		DRAWER & HANDLS	
71		TOP DRAWER	
72	✓	2ND "	

# Radiological Survey Continuation Sheet

Page 4 of 21

Date 10-28-08

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
73	0730	3rd drawer	
74		4th "	
75		DRAWERS & HANDLS	
76		TOP DRAWER	
77		2nd "	
78		3rd "	
79		4th "	
80		FLOOR	
81		"	
82		"	
83		"	
84		TOP SHELF	
85		2nd "	
86		3rd "	
87		TOP "	
88		2nd "	
89		3rd "	
90		BENCH	
91		"	
92		"	
93		"	
94		CUP	
95		CUP	
96		CAB+ doors & HANDLS	
97		TOP SHELF	
98		2nd "	
99	✓	3rd "	

# Radiological Survey Continuation Sheet

Page 5 of 21

Date 10-28-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
100	0730	DRAWER	
101		CAB DOORS & HANDLS	
102		TOP SHELF	
103		BOTTOM "	
104		DRAWERS & HANDLS	
105		TOP DRAWER	
106		2ND "	
107		3RD "	
108		4TH "	
109		DRAWER	
110		DRAWERS & HANDLS	
111		TOP DRAWER	
112		2ND "	
113		3RD "	
114		4TH "	
115		TOP SHELF	
116		2ND "	
117		3RD "	
118		DESK	
119		ENCH	
120		"	
121		"	
122		"	
123		"	
124		"	
125		DRAWER	
126	✓	DRAWERS & HANDLS	

# Radiological Survey Continuation Sheet

Page 6 of 21

Date 10-28-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
127	0730	TOP DRAWER	
128		2ND "	
129		3RD "	
130		CHAIR	
131		CAB DOORS & HANDLES	
132		TOP SHELF	
133		2ND "	
134		3RD "	
135		4TH "	
136		CAB DOORS & HANDLES	
137		TOP SHELF	
138		2ND "	
139		3RD "	
140		4TH "	
141		CAB DOORS & HANDLES	
142		1ST SHELF	
143		2ND "	
144		3RD SHELF	
145		TOP SHELF	
146		2ND "	
147		3RD SHELF'S	
148		DESK	
149		UPPER WALL	
150		" "	
151		LEDGE	
152		LEDGE	
153	✓	LOWER WALL	

# Radiological Survey Continuation Sheet

Page 7 of 21

Date 10-28-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
154	0230	DRAWERS & HANDLES	
155		TOP DRAWER	
156		2ND "	
157		3RD "	
158		DRAWER & HANDLES	
159		TOP DRAWER	
160		2ND "	
161		3RD "	
162		4TH "	
163		DRAWER	
164		DRAWERS & HANDLES	
165		TOP DRAWER	
166		2ND "	
167		3RD "	
168		4TH "	
169		DRAWER	
170		DRAWERS & HANDLES	
171		TOP DRAWER	
172		2ND "	
173		3RD "	
174		4TH "	
175		TOP SHELF	
176		2ND "	
177		3RD "	
178		TOP "	
179		2ND "	
180	✓	3RD "	

# Radiological Survey Continuation Sheet

Page 8 of 21

Date 10-28-08

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
181	0730	BENCH	
182		"	
183		"	
184		"	
185		CUP	
186		"	
187		BENCH	
188		BENCH	
189		FLOOR	
190		"	
191		"	
192		"	
193		LEFT Side of CAB	
194		RIGHT " " "	
195		DRAWER	
196		CAB DOORS & HANDLS	
197		INSIDE CAB	
198		DRAWERS & HANDLS	
199		TOP DRAWER	
200		2ND "	
201		3RD "	
202		4TH "	
203		DRAWER	
204		DRAWERS & HANDLS	
205		d TOP DRAWER	
206		2ND "	
207	✓	3RD "	



# Radiological Survey Continuation Sheet

Page 9 of 21

Date 10-28-08

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
208	0730	4TH DRAWER	
209		TOP SHELF	
210		2ND "	
211		3RD SHELVES	
212		4TH SHELVES	
213		DESK	
214		DRAWERS & HANDLS	
215		TOP DRAWER	
216		2ND "	
217		3RD "	
218		TOP SHELF	
219		2ND "	
220		3RD "	
221		4TH "	
222		TOP SHELF	
223		2ND "	
224		3RD "	
225		UPPER WALL	
226		LOWER "	
227		UPPER "	
228		" "	
229		DESK	
230		DESK	
231		FLOOR	
232		"	
233		"	
234	✓	"	

# Radiological Survey Continuation Sheet

Page 10 of 21

Date 10-28-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
235	0730	desk	
236		"	
237		TOP SHELF	
238		2ND "	
239		3RD "	
240		TOP SHELF	
241		BOTTOM "	
242		TOP SHELF	
243		2ND "	
244		DRAWER & HANDLS	
245		" " "	
246		FLOOR	
247		CAB door & HANDLS	
248		TOP SHELF	
249		BOTTOM "	
250		DRAWERS & HANDLS	
251		LEFT 1ST SMALL DRAWER	
252		" 2ND " "	
253		" 3RD " "	
254		RIGHT 1ST " "	
255		" 2ND " "	
256		1ST BIG " "	
257		2ND " "	
258		door & HANDLS	
259		LEFT 1ST SMALL DRAWER	
260		" 2ND " "	
261	✓	RIGHT 1ST " "	

# Radiological Survey Continuation Sheet

Page 11 of 21

Date 10-28-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
262	0730	RIGHT 2ND SMALL DRAWER	
263		1ST BIG "	
264		2ND " "	
265		BENCH	
266		"	
267		"	
268		"	
269		SIDE OF CAB	
270		BACK " "	
271		TABLE TOP	
272		" TOP	
273		WALL	
274		WALL	
275		FLOOR	
276		LOWER WALL	
277		" "	
278		FLOOR	
279		UPPER WALL	
280		SHELF	
281		LOWER WALL	
282		UPPER "	
283		LOWER "	
284		FLOOR	
285		DOOR	
286		FLOOR	
287		UPPER WALL	
288	✓	LOWER "	

# Radiological Survey Continuation Sheet

Page 12 of 21

Date 10-28-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
289	0730	FLOOR	
290		CAB. DOORS & HANDLS	
291		1ST SHELF	
292		2ND "	
293		3RD "	
294		4TH "	
295		BOTTOM "	
296		SHELF	
297		PEG BOARD	
298		SINK AREA	
299		CAB DOORS & HANDLS	
300		LEFT SIDE OF CAB	
301		RIGHT " " "	
302		CAB DOORS & HANDLS	
303		TOP SHELF	
304		2ND "	
305		3RD "	
306		CAB DOORS & HANDLS	
307		1ST SHELF	
308		2ND "	
309		3RD "	
310		BOTTOM "	
311		WALL	
312		"	
313		UPPER WALL	
314		LOWER "	
315		CUP	

# Radiological Survey Continuation Sheet

Page 13 of 21

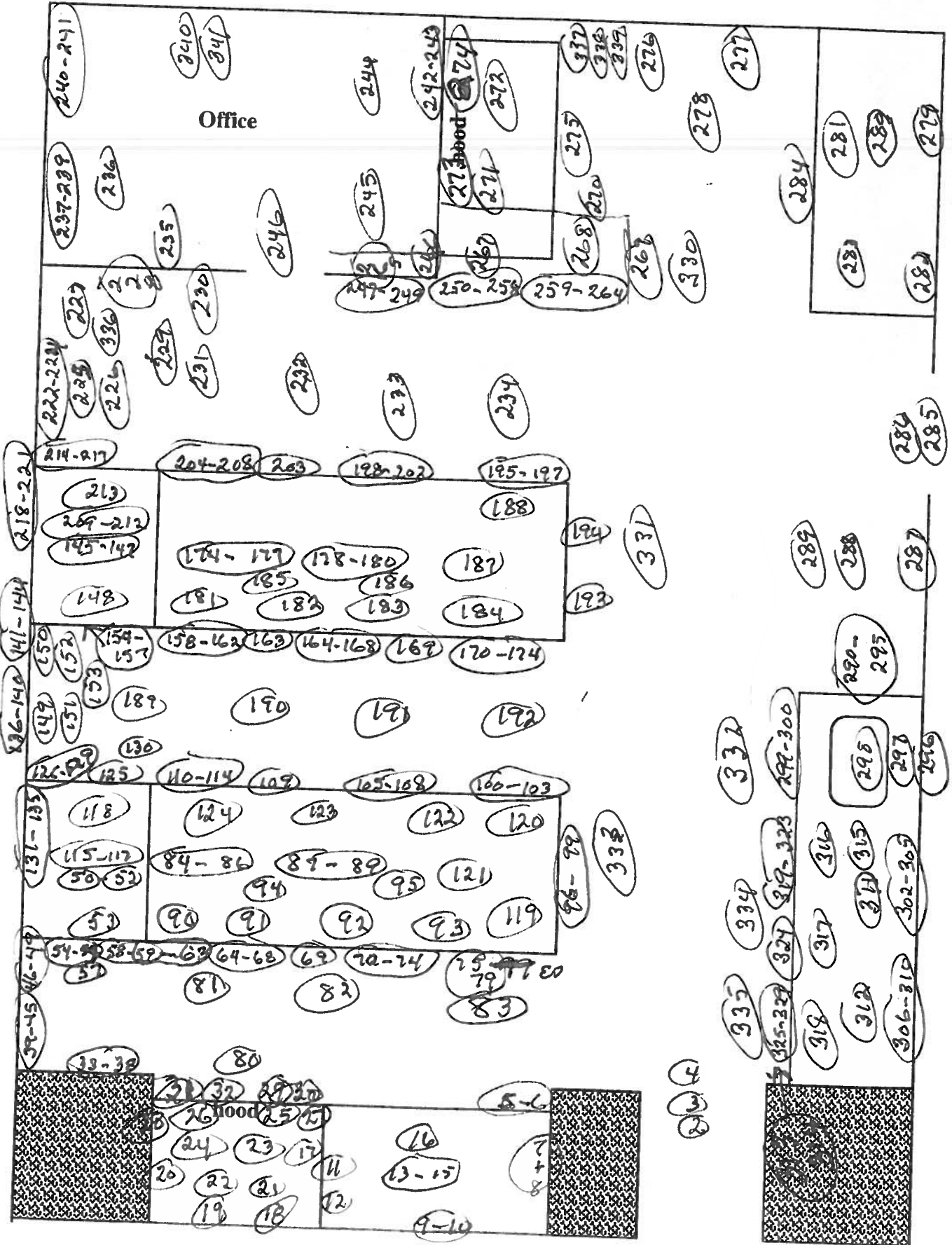
Date 10-28-09

No.	Time	Locations	See attached LSC printout for Total Activity (cpm/100 cm <sup>2</sup> )
316	0730	BENCH	
317		"	
318		"	
319		DRAWERS & HANDLS	
320		TOP DRAWER	
321		2ND "	
322		3RD "	
323		4TH "	
324		DRAWER	
325		DRAWERS & HANDLS	
326		TOP DRAWER	
327		2ND "	
328		3RD "	
329		4TH "	
330		FLOOR	
331		FLOOR	
332		FLOOR	
333		FLOOR	
334		FLOOR	
335		FLOOR	
336		CHAIR 5	
337		CHAIR 6	
338		" 7	20
339		" 8	
340		" 9	20
341	✓	" 10	20
342	✓	<del>" 10</del>	<del>21</del>

# 118B/B302

Surveyed 100% of lower surfaces using 43-68. No readings in excess of normal background levels.

O = wipe location



15 of 21

Assay Definition-

Assay Description:  
Equipment Swipes

Assay Type: CPM  
Report Name: Report1  
Output Data Path: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes  
Raw Results Path: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes\20091028\_1027  
\20091028\_1027.results  
RTF File Name: C:\Packard\Tricarb\Results\Ed Gailor\Eds Monthly Swipes\Ed's Monthly  
Swipes.rtf  
Assay File Name: C:\Packard\TriCarb\Assays\Eds Monthly Swipes.lsa

Count Conditions-

Nuclide: Triple  
Quench Indicator: tSIE/AEC  
External Std Terminator (sec): 0.5 2s%  
Pre-Count Delay (min): 0.00  
Quench Set: n/a  
Count Time (min): 1.00  
Count Mode: Normal  
Assay Count Cycles: 1 Repeat Sample Count: 1  
#Vials/Sample: 1 Calculate % Reference: Off

Background Subtract: On - Manual  
Low CPM Threshold: Off  
2 Sigma % Terminator: Off

Regions	LL	UL	Bkg Subtract
A	0.0	18.6	0.00
B	18.6	156.0	0.00
C	0.0	2000.0	0.00

Count Corrections-

Static Controller: On Luminescence Correction: On  
Colored Samples: n/a Heterogeneity Monitor: n/a  
Coincidence Time (nsec): 18 Delay Before Burst (nsec): 75

Half Life-

Half Life Correction: Off

Regions	Half Life	Units	Reference Date	Reference Time
A				
B				
C				

Cycle 1 Results

S#	CPMA	CPMB	CPMC	MESSAGES
1	10	12	29	
2	10	9	27	
3	6	7	21	
4	9	5	20	
5	31	7	42	
6	11	5	25	
7	20	9	37	
8	7	7	20	
9	19	11	38	
10	9	6	20	

1

11	11	8	25
12	16	5	29
13	11	3	23
14	9	5	17
15	13	8	29
16	3	11	18
17	13	7	26
18	15	7	25
19	4	9	16
20	11	6	22
21	7	11	24
22	28	7	40
23	1	4	12
24	9	8	22
25	16	8	30
26	10	11	26
27	5	9	21
28	22	9	35
29	5	11	24
30	9	8	23
31	7	13	23
32	13	5	27
33	16	7	27
34	9	4	20
35	7	8	24
36	11	5	21
37	17	5	24
38	13	9	27
39	17	6	29
40	10	8	24
41	16	8	25
42	19	6	29
43	0	2	4
44	15	8	28
45	12	6	29
46	2	12	22
47	1	7	11
48	10	5	25
49	25	6	33
50	7	6	17
51	13	5	22
52	14	5	25
53	2	6	15
54	7	7	17
55	12	10	24
56	16	5	28
57	3	5	12
58	16	8	27
59	21	6	30
60	8	4	18
61	13	4	23
62	8	5	22
63	4	8	15
64	21	7	31
65	0	2	3
66	12	9	25
67	0	8	2
68	5	12	22
69	4	2	9
70	11	7	22
71	20	7	32
72	21	6	31



73	0	11	16
74	15	6	25
75	12	5	19
76	14	7	26
77	4	12	19
78	4	8	20
79	8	10	26
80	8	8	18
81	6	4	18
82	10	4	18
83	2	9	13
84	0	4	4
85	19	10	33
86	4	9	21
87	0	8	13
88	3	7	16
89	8	13	23
90	11	5	22
91	8	14	30
92	11	2	17
93	2	10	13
94	7	9	25
95	7	7	21
96	15	4	23
97	29	9	45
98	18	5	29
99	6	8	18
100	18	7	28
101	11	6	22
102	10	7	28
103	10	7	23
104	4	12	23
105	9	9	23
106	16	7	29
107	7	8	19
108	14	4	25
109	12	8	25
110	16	9	32
111	7	14	29
112	9	6	17
113	11	8	24
114	2	8	16
115	17	6	27
116	9	2	20
117	19	5	25
118	12	5	20
119	0	6	13
120	13	9	28
121	10	10	27
122	15	8	25
123	1	7	13
124	12	3	19
125	16	4	22
126	9	10	25
127	8	6	21
128	2	4	10
129	0	11	11
130	0	6	12
131	0	8	12
132	11	10	29
133	10	7	22
134	16	9	32
135	23	8	36

Protocol# 4 - Eds Monthly Swipes.lsa

User: Ed Gailor

136	3	7	15
137	11	9	24
138	5	6	18
139	15	8	31
140	17	5	27
141	13	10	27
142	8	4	18
143	2	3	7
144	7	9	19
145	13	7	27
146	8	10	24
147	18	8	32
148	9	8	25
149	6	10	26
150	5	6	17
151	19	10	34
152	0	7	6
153	7	8	18
154	0	8	13
155	0	6	8
156	8	2	13
157	14	11	32
158	0	5	8
159	1	3	14
160	0	5	11
161	19	3	26
162	1	4	10
163	4	8	19
164	0	6	12
165	0	11	11
166	0	5	0
167	0	2	7
168	16	9	29
169	24	9	40
170	4	2	14
171	19	8	35
172	2	7	14
173	9	11	22
174	11	5	28
175	14	10	28
176	1	5	7
177	11	13	32
178	3	5	13
179	14	8	25
180	9	10	27
181	16	7	26
182	21	9	35
183	14	4	25
184	7	8	19
185	16	13	35
186	10	6	24
187	17	11	35
188	19	11	36
189	0	10	11
190	20	6	33
191	11	7	24
192	9	12	24
193	20	2	26
194	9	11	30
195	4	12	20
196	18	3	24
197	22	5	33
198	4	10	19

199	10	4	23
200	10	8	24
201	3	4	11
202	2	5	11
203	15	6	28
204	0	12	12
205	0	8	15
206	12	4	21
207	6	10	24
208	17	12	38
209	23	9	37
210	8	7	22
211	27	6	39
212	4	5	12
213	13	4	21
214	13	9	24
215	0	5	11
216	16	4	24
217	12	8	23
218	7	9	21
219	15	4	26
220	0	4	0
221	14	1	21
222	14	5	28
223	11	6	22
224	0	5	0
225	5	4	16
226	9	9	20
227	0	11	14
228	0	9	14
229	2	4	8
230	1	7	9
231	5	3	18
232	3	8	19
233	5	7	16
234	0	9	5
235	15	3	23
236	15	8	30
237	2	9	16
238	0	5	8
239	14	5	22
240	11	11	26
241	0	8	0
242	3	7	16
243	5	7	17
244	1	4	7
245	16	7	31
246	2	9	15
247	0	8	14
248	0	8	11
249	0	11	25
250	0	10	2
251	2	12	20
252	9	9	22
253	7	8	21
254	0	6	0
255	0	12	13
256	3	7	17
257	0	5	8
258	2	7	12
259	1	6	14
260	8	4	19
261	3	6	14

262	9	5	19
263	0	4	15
264	13	7	24
265	0	6	4
266	8	5	19
267	20	6	35
268	0	8	10
269	0	11	16
270	13	9	27
271	13	7	24
272	0	13	21
273	10	5	19
274	4	7	13
275	3	9	18
276	9	3	18
277	0	9	6
278	3	6	15
279	22	12	44
280	11	6	21
281	7	8	22
282	0	5	13
283	5	7	14
284	2	6	12
285	13	10	29
286	7	3	12
287	25	4	32
288	11	1	17
289	0	3	8
290	12	8	23
291	4	11	24
292	0	9	10
293	0	7	2
294	7	14	28
295	22	5	31
296	9	4	23
297	18	6	38
298	7	4	15
299	0	8	9
300	11	7	24
301	14	2	20
302	17	9	33
303	21	8	33
304	15	7	29
305	0	5	13
306	0	9	17
307	12	4	19
308	6	9	20
309	5	5	15
310	0	6	0
311	0	11	8
312	10	9	22
313	0	15	14
314	0	5	9
315	4	7	13
316	0	7	0
317	2	5	13
318	3	6	19
319	7	7	19
320	2	9	13
321	1	7	13
322	5	10	21
323	0	10	0
324	9	9	24

325	17	7	31
326	5	10	22
327	15	10	30
328	0	9	13
329	0	3	5
330	15	7	27
331	8	7	20
332	11	6	22
333	0	6	5
334	3	14	25
335	0	9	11
336	0	11	11
337	0	9	18
338	22	2	30
339	1	6	18
340	5	6	20
341	12	7	23