	Case II					Chec	kpoii	nt Solut	tion		
Sample	Starting	Ending									
Number	Record	Record	(a)_1	(a)_2	(b)	(c)	(d)	(e)	(f)	(g )_1	(g)_2
100	9364	12151	9364	12151	2779	237.2542	391	102.2	24.4027	146.8745	157.9812
101	2917	5484	2917	5484	2557	240.8348	362	102.2	26.3286	150.1306	161.9077
102	4969	7474	4969	7474	2496	233.1987	319	102.2	26.5285	146.9742	158.7902
103	8644	11512	8644	11512	2859	237.0104	406	102.2	24.6747	149.0116	160.1014
104	6867	9476	6867	9476	2602	235.2456			24.7641	151.5232	
105	13723	16347	13723	16347	2613	229.3505		104.0	23.9036	142.2351	
106	3450	6292	3450	6292	2830	239.1739	370	102.2		149.2959	
107	12339	14780				248.2530	355	104.0		152.9059	
108	4596	7242	4596	7242		230.2723		102.2		145.3087	156.6845
109	9245	11722	9245			238.8238				147.6039	
110	4094	6695	4094	6695		229.7831		102.2		145.7426	
111	1055	3607	1055	3607		237.1740		105.8		149.7954	
112	1763	4507	1763			238.1996		102.2		149.9906	
113	9962	12555	9962			234.3099				147.0955	
114	10869	13686				237.9971		102.2		149.7017	
115	1756	4242	1756	4242		239.4740	384	102.2		149.5182	
116	13635	16348				228.6706		104.0		142.0945	
117	11016	13710		13710				102.2		149.6348	
118	3233	5950	3233	5950		242.2003		102.2		150.5092	
119	2403	5052	2403	5052		239.7015		102.2		151.4505	
120	8884	11311	8884			238.4906		102.2	24.4302	148.0864	
121	7196	10064	7196			235.2410				150.0856	
122	2931	5368	2931	5368		241.5238				149.2251	
123	4617	7498	4617	7498		233.4247		102.2		147.5509	
124	1922	4576	1922	4576		237.2761		102.2		149.6860	
125	9183	12075	9183			235.5416	_	102.2		147.0598	
126	6600	9102	6600	9102				102.2		151.0644	
127	3391										160.8715
128	11046	13773				237.5574					
129	6868	9714				235.2415					
130	12246	14912				248.0754					
131	13124	15692				241.8741	_				
132	8852	11390		11390						147.7096	
133	9797	12350				234.5817				146.4933	
134	10954	13562				238.9846					
135	8559	10974				239.8456					
136	5026	7735				235.9604	_				
137	10205	12985		12985						148.1323	
138	6870	9357				233.2257				150.6487	162.9820
139	9895	12755				235.4213					
140	10930	13673				238.3073					
141	5334	7906				234.2689					
141	13463			16048						145.2905	
142	11053			13506			_			149.5130	
143	11023	13206	11023	13200	۷448	236./334	აეგ	100.4	Z0.010/	149.5130	101./133

	Case II					Chec	ckpoi	nt Solut	ion		
Sample	Starting	Ending									
Number	Record	Record	(a)_1	(a)_2	(b)	(c)	(d)	(e )	(f )	(g )_1	(g )_2
144	4623	7340	4623	7340	2706	229.5139	353	102.2	26.8540	145.4680	156.7515
145	6367	8841	6367	8841	2466	232.8972	351	102.2	25.3669	149.8794	162.2228
146	5534	8299	5534	8299	2757	233.0122	375	102.2	25.7041	148.3778	159.7173
147	4004	6686	4004	6686	2670			102.2		145.6646	
148	5055	7469	5055	7469		233.1351		102.2			
149	13277	15878		15878	2588			104.0	25.2957	147.1472	
150	11330	13865				239.8397	375	102.2		150.4182	
151	10504	13337	10504	13337	2826	238.7297	417	102.2	26.1704	149.3991	160.7396
152	9700	12227	9700	12227	2521		367	102.2	25.0420	146.4451	
153	5220	7791	5220	7791	2563	232.1622	337	102.2	25.9220	148.2554	159.9576
154	3294	6103	3294	6103	2798	238.8680	365	102.2		149.1102	
155	13724	16606	13724	16606	2871	228.8299	403	104.0	23.7930	141.7756	152.5678
156	381	3047	381	3047	2654	229.5440	402	105.8		147.9289	
157	13038	15843	13038	15843	2792	240.3827	398	104.0	25.3921	147.9518	159.3133
158	6807	9242	6807	9242	2428	234.5039	347	102.2	25.2070	151.1826	
159	2048	4811	2048	4811	2756	239.2416	405	102.2	25.6417	150.8006	162.1863
160	7723	10361	7723	10361	2632	231.6210	388	102.2	23.3477	147.2413	158.8400
161	13312	15935	13312	15935	2609	237.4344	362	104.0	24.9193	146.5988	158.2674
162	9826	12377	9826	12377	2544	233.7790	367	102.2	25.5733	146.3268	157.9578
163	4154	6768	4154	6768	2603	228.5148	328	102.2	25.2652	145.4673	156.6917
164	4212	7018	4212	7018	2796	229.7335	351	102.2	25.9983	146.7310	157.6667
165	11898	14790	11898	14790	2884	244.8652	420	104.0	25.4537	151.2096	162.6892
166	10401	13085	10401	13085	2677	237.3483	390	102.2	26.0314	148.9344	160.5710
167	8112	10814	8112	10814	2692	236.8194	387	102.2	24.0504	148.9496	160.5764
168	8759	11476	8759	11476	2709	237.6669	388	102.2	24.9160	148.4840	159.8342
169	7990	10477	7990	10477	2481	231.2818	362	102.2	23.5821	145.9905	158.0200
170	13624	16112	13624	16112	2474	232.4809	345	104.0	24.1687	143.4482	155.3157
171	7590	10288	7590	10288	2692	235.2411	387	102.2	23.6537	149.2192	160.8610
172	1167	3577	1167	3577	2400	238.5230	361	105.8	28.8410	149.6992	161.8700
173	12621	15066	12621	15066	2434	248.5779	343	104.0	24.8871	151.5543	164.0751
174	2669	5086	2669	5086	2407	241.1076	345	102.2	25.3367	151.2079	163.4194
175	7249	9928	7249	9928	2671	234.6539	380	102.2	23.2492	150.1377	161.8413
176	8432	11066	8432	11066	2624	236.1835	372	102.2	23.7199	148.2658	159.8387
177	12170	15004	12170	15004	2823	246.3270	410	104.0	25.6474	152.2348	163.8863
178	5049	7949	5049	7949	2890	235.9774	379	102.2	26.2954	149.1097	160.1962
179	5268	7974	5268	7974	2698	233.1479	356	102.2	25.6226	149.1393	160.4856
180	2708	5191	2708	5191	2473	242.8339	348	102.2	26.1608	150.6195	162.6793
181	4521	7117	4521	7117	2586	230.3906	325	102.2	26.6810	146.3246	157.8200
182	7955	10691	7955	10691	2728	233.0604	396	102.2	23.5021	147.6264	159.1250
183	7968	10419	7968	10419	2445	230.8188	362	102.2	23.4260	146.0814	158.1902
184	11588	14011	11588	14011	2417	241.6846	365	102.2	25.5351	150.6429	163.0344
185	11225	13836	11225	13836	2604	238.6758	385	102.2	26.3312	150.0623	161.9477
186	1981	4872	1981	4872	2884	238.5607	425	102.2	25.4867	150.8226	161.9402
187	8627	11468	8627	11468	2831	237.8032	405	102.2	24.7436	148.9708	160.1087

	Case II					Chec	ckpoi	nt Solut	tion		
Sample	Starting	Ending									
Number	Record	Record	(a)_1	(a)_2	(b)	(c)	(d)	(e )	(f)	(g )_1	(g)_2
188	1708	4195	1708	4195	2481	240.2810	388	102.2	27.4556	149.7430	161.8548
189	13138	15593	13138	15593	2442	244.0471	348	104.0	25.5711	149.4452	161.7931
190	13051	15735	13051	15735	2671	240.9196	381	104.0	25.3772	148.0704	159.7589
191	4128	6894	4128	6894	2755	231.3825	354	102.2	25.3535	147.0081	158.0431
192	8672	11085	8672	11085	2406	237.3461	345	102.2	24.1802	148.1227	160.1973
193	13658	16274	13658	16274	2603	230.2550	368	104.0	23.8165	142.5594	154.0522
194	6483	9133	6483	9133	2641	233.0292	377	102.2	25.3144	149.3924	161.2695
195	3904	6358	3904	6358	2444	232.7604	309	102.2	25.2082	147.4043	159.0867
196	7420	9865	7420	9865	2439	234.4898	343	102.2	23.3689	150.0028	162.2564
197	5927	8632	5927	8632	2695	230.6315	377	102.2	25.2083	148.6508	160.3199
198	3919	6808	3919	6808	2877	228.4834	365	102.2	25.4984	145.8524	156.5744
199	5078	7818	5078	7818	2731	233.9681	359	102.2	26.4140	147.8089	159.2259
200	2378	5133	2378	5133	2745	241.1984	396	102.2	25.6079	151.8760	163.3589
201	8942	11370	8942	11370	2422	235.7018	348	102.2	24.5270	146.6568	158.5918
202	12636	15479	12636	15479	2830	246.6306	405	104.0	25.3926	151.4983	163.0904
203	1939	4544	1939	4544	2600	236.8945	391	102.2	26.7131	149.4980	161.2197
204	1657	4297	1657	4297	2633	240.0570	406	102.2	27.4684	149.7127	161.3666
205	3050	5641	3050	5641	2581	240.6017		102.2			160.9789
206	8010	10873	8010			235.9275		102.2	24.1945		160.3098
207	4812	7286	4812	7286		230.2642		102.2	26.8473		157.5854
208	3326	5767	3326	5767	2433	237.8090			26.1796		160.3758
209	3747	6591	3747	6591		232.7558			25.8024		158.0685
210	8785	11347	8785								
211	10219	13097	10219			237.5084			25.8409		160.3045
212	6614	9245	6614			232.9876			25.2447		162.5628
213	2589	5386	2589	5386		241.2807	401	102.2	26.1774		161.8091
214	5606	8245	5606	8245		232.2607	362				159.7422
215	9599									146.5184	
216	11088	13987				238.8258					
217	11340									150.2078	
218	12775	15208							24.6067		
219	2853	5709	2853			237.0637					
220	3272	5849	3272			238.2634			26.0947		160.8939
221	4051	6484	4051		2422						
222	7098	9640				233.8789 238.9414					
223 224	11226	13847							26.3012	150.1865 150.0693	
224	7214 11002	9995 13525				234.7216			26.6378		
225	2305	5039	2305		2725						
227	5131	7717	5131			233.7924					159.8654
227	4168	7008	4168			230.5758			25.8368		
229	2541	5244	2541		2693				26.3470		
230	4383	6906			2514				25.6489		
230	12793	15347	12793								
231	12/93	1534/	12/93	1534/	2541	240./385	30/	104.0	25.3052	151.3059	103.5/96

	Case II		Checkpoint Solution								
Sample	Starting	Ending									
Number	Record	Record	(a)_1	(a)_2	(b)	(c)	(d)	(e)	(f)	(g )_1	(g )_2
232	10264	12969				235.7472	403	102.2		148.2529	
233	2568	5303	2568	5303		242.2768		102.2		150.7092	
234	3974	6518	3974	6518		231.1496		102.2	25.5387	147.3864	
235	3291	5920	3291	5920		239.1601		102.2		148.9704	
236	11596	14181				240.6095	385	102.2		151.0558	
237	12914	15739				241.9431	407	104.0	25.4993	148.7520	
238 239	8621 8421	11360 11020	8621 8421			236.6626 236.3229		102.2 102.2		148.6716 148.2948	
240	7739	10202	7739			231.4147	349	102.2		147.0409	
241	8980	11500	8980			236.5290	355	102.2	25.1775	147.8254	
242	11451	14263		14263		239.6031	406	104.0		150.4142	161.8475
243	7124	9734	7124	9734		234.2150		102.2		149.5119	
244	7954	10528	7954					102.2		146.3291	
245	8660	11104	8660	11104	2436	237.3733	347	102.2	24.0819	148.1778	160.1670
246	10960	13508	10960	13508	2543	238.1786	376	102.2	26.5169	149.4628	161.4644
247	4208	7101	4208	7101	2883	230.5163	359	102.2	26.1294	147.2687	158.1111
248	9946	12466	9946	12466	2513	234.9984	365	102.2	25.8442	147.3108	159.1349
249	12145	14830	12145	14830	2678	246.1816		104.0	25.9200	152.3588	164.4157
250	13458	16220				232.7622		104.0		144.8134	
251	4384	6849	4384	6849		227.2528		102.2		144.1771	
252	7808	10421	7808			231.8739	383	102.2		147.0260	
253	6802	9439	6802	9439		233.4786		102.2	24.8870	150.6335	
254	8880	11704	8880			236.4011	392	102.2		147.7675	
255	2664	5236 6520	2664 3932	5236 6520		242.2763	364	102.2 102.2		150.3050	
256 257	3932 13227	15916	13227	15916		230.7287 237.7061	375	102.2	25.4289	147.1792 147.0434	
258	5432	8026	5432		2586		341	104.0		147.9536	
259	49					231.6807					
260	5525	8358				233.0753					
261	2186	5059	2186			236.8098					
262	6593	9245	6593			232.4783					
263	7367	10026	7367	10026	2652	235.1622	371	102.2	23.3310	149.9041	161.6495
264	6009	8659	6009	8659	2640	231.7446	371	102.2	25.1348	149.3372	161.1537
265	9787	12200	9787	12200	2408	234.9966	349	102.2	25.1522	146.5991	158.5313
266	3234	5838	3234	5837						149.9296	
267	6370	9251	6370			230.9439				149.6066	
268	4804	7539	4804			230.9617					
269	7406	10120		10120						149.7313	
270	11139	13772				237.4573					
271	12184	14759		14759		247.0123				152.5927	
272	10702	13342								148.1726	
273 274	11471 4675	14112 7327						102.2			161.8774 156.8097
274	13247	15976		15976						146.0012	
2/5	1324/	159/6	1324/	ם/פכד	2/15	233.8519	3//	104.0	25.0385	140.0012	137.3800

	Case II										
Sample	Starting	Ending									
Number	Record	Record	(a)_1	(a)_2	(b)	(c)	(d)	(e)	(f)	(g )_1	(g)_2
276	9744	12494	9744	12494		235.8848	402	102.2	25.5777	147.5520	158.8447
277	2422	5260	2422	5260		242.4870	407	102.2		151.6302	
278	13876	16726				226.7108		104.0		140.9998	
279	849	3695	849	3695		234.7223	428	105.8		149.2990	
280	8377	11154	8377	11154		235.6549	393	102.2			
281	330	3126	330	3126		229.9027	427	105.8		147.0992	
282	8424	10881	8424 4866	10881 7534		236.1474	345 344	102.2	23.8231	148.5767	160.5733
283 284	4866 11476	7534 13974				232.6007 240.0103		102.2 102.2	26.6504 25.3382	146.7222 150.2806	158.1533 162.4192
285	13775	16383				229.6178		104.0		142.2844	
286	8458	11330	8458			235.1690	408	102.2		148.1424	
287	15	2610	15	2610		230.6503		105.8		147.6125	
288	12353	15048		15048		248.2718		104.0		152.5378	
289	99	2705	99	2705		230.1081	391	105.8		147.5170	
290	3228	6089	3228	6089	2850	241.4213	377	102.2	26.0808	150.2196	
291	2694	5513	2694	5513	2808	240.7479	402	102.2	25.9585	150.5205	161.8121
292	3671	6445	3671	6445	2762	235.1789	359	102.2	25.4781	148.1085	159.2282
293	2562	4965	2562	4965	2396	240.2290	356	102.2		150.5044	162.7668
294	11325	13800				238.5833	364	102.2			
295	2732	5535	2732	5535		240.6261	394	102.2		150.3511	161.6296
296	11627	14111		14111		240.5663	377	102.2		150.6083	
297	583	3212	583	3212	2617	230.5657	397	105.8		147.5177	158.8927
298	10437	13251		13251		238.5693		102.2		149.3264	
299 300	9164 7034	11814	9164 7034	11814 9577	2643 2536	235.3093 233.9277	369 356	102.2 102.2		146.8363 149.9028	
300	9632	9577 12228	9632	12228		234.8160	374	102.2	24.9564	146.6793	
302	13243	15892	13243		2636	237.5864		104.0		146.8285	158.4553
303	1312					240.6075					
304	7471	10236				232.9574					
305	6871	9631				234.8427					
306	7666	10342	7666	10342	2670	233.3100	391	102.2	23.8005	147.7228	159.3259
307	4268	6816	4268	6816	2538	229.4763	318	102.2	25.5492	145.5631	156.9751
308	11088	13762	11088	13762	2668	238.0180	397	102.2	26.1774	149.8321	161.5090
309	2567	5021		5021		239.6311					
310	11912					245.1195					
311	4363	7015				228.9054					
312	13291	15721		15721						147.1419	
313	10716	13449		13449				102.2		148.7918	
314	7661	10144		10144						147.0963	
315	12709	15378 12610		15378		247.5721		104.0		151.7152 146.6276	
316 317	10169 2313	4765			2434					152.0131	
318	8385	11146		11146						148.1331	
319	11918	14453		14453		245.8965				152.6433	
313	11310	14472	11310	14400	2330	245.0503	5/0	104.0	25.5007	132.0433	104.3302

	Case II		Checkpoint Solution								
Sample	Starting	Ending									
Number	Record	Record	(a)_1	(a)_2	(b)	(c)	(d)	(e)	(f)	(g )_1	(g )_2
320	10558	13059				238.1103					161.7066
321	5802	8489	5802	8489		232.8391			25.3890		160.4130
322	13923	16585	13923			227.8063			24.1427	141.1985	152.4199
323	5543	8077	5543	8077	2526	230.6510		102.2	25.7111	147.6187	159.3433
324	3880	6318	3880	6318		234.1583		102.2	25.2863		159.5912
325 326	3602 7284	6151 9727	3602 7284	6151 9726		238.1597 232.1075	323 342	102.2 102.2	26.2972 23.1652	149.1118 149.0452	160.8000 161.2817
327	7878	10694	7878			232.1073					159.1214
328	4180	6917	4180	6917	2727	230.4884		102.2			157.3442
329	8640	11385	8640			236.5606			24.8947	148.4559	159.8050
330	8806	11470	8806			237.5758		102.2	24.9562	148.1640	159.6102
331	4136	6665	4136	6665		230.1489		102.2	25.2621	146.1346	157.5612
332	3684	6464	3684	6464	2768	235.1805	356	102.2	25.5169	148.2726	159.3777
333	11992	14449	11992	14449	2452	245.7960	371	104.0	25.6373	152.9300	165.4647
334	10823	13306		13306		236.2354	371			147.9577	159.9843
335	294	3009	294	3009	2702	228.7040		105.8		147.4326	158.6637
336	8810	11639	8810			236.3497	399		24.5817	147.3560	158.3704
337	1378	4086	1378	4086		238.5167	412	105.8			160.4420
338 339	11673	14500		14500 4230		241.5775 239.0982	418 382		25.6235 27.4222		162.6897
339	1775 561	4230 2999	1775 561	2999		239.0982			29.1245	149.3837 147.4411	161.6102 159.2937
341	6510	8949	6510	8949		235.3449			24.9833		163.2080
342	943	3426	943	3426		232.8944		105.8			159.7985
343	2323	4985	2323	4985		239.0030		102.2	25.3148		163.2868
344	2156	4931	2156	4931	2768	236.8440	410	102.2	25.4741	151.0026	162.3508
345	4438	7096	4438	7096	2649	230.9688	331	102.2	26.3360	146.7027	158.0659
346	2561	4975	2561	4975		240.4169		102.2			162.9031
347	5891	8471	5891			233.3635					161.2219
348	9633	12038	9633			235.7263					
349	443	3320	443		2862						159.6562
350	11598	14087				240.4410			25.4615		162.6255
351	8807	11644				236.0625					
352 353	10517 13786	13070				237.1630 229.0660			26.1283		160.8894 153.4962
354	12716		12716								163.1532
355	9445	12132	9445			236.8501			24.4372		157.9725
356	8387	11035	8387			236.2094			23.6321		159.8180
357	284	3016	284			229.0366			28.7035		158.7883
358	9632	12159	9632								
359	10281	13081	10281	13081	2793	237.4935	416	102.2	25.9751	149.0550	160.4552
360	8852	11583	8852	11583	2723	236.8155	383	102.2	24.8732	147.9404	159.2127
361	1573	4082	1573		2502	238.6675			28.4068		160.4268
362	13079	15620									160.8573
363	3616	6465	3616	6465	2837	234.6946	366	102.2	25.7823	148.1797	159.1632

	Case II					Chec	kpoi	nt Solut	tion		
Sample	Starting	Ending									
Number	Record	Record	(a)_1	(a)_2	(b)	(c)	(d)	(e)	(f)	(g )_1	(g)_2
364	11682	14146	11682	14146	2458	240.1864	372	102.2	25.3103	150.8038	163.1197
365	12379	14806	12379	14806	2421	248.7191	357	104.0	25.1824	152.7825	165.4877
366	8094	10700	8094	10700	2597	235.4533	374	102.2	23.5829	148.2897	160.0899
367	6573	9351	6573	9351	2769	231.4979	391	102.2	24.9299	149.6955	161.2962
368	2685	5100	2685	5100	2405	241.5318	345	102.2	25.4454	150.9624	163.1424
369	7010	9467	7010	9467	2450	233.9174	344	102.2	24.2163	150.5189	162.9293
370	1893	4578	1893	4578	2680	236.5326	403	102.2	26.6948	149.4014	160.9098
371	11716	14506	11716	14506	2784	243.3225	414	104.0	25.6669	152.0488	163.7156
372	10997	13579	10997	13579	2577	238.7928	378	102.2	26.5908	149.7983	161.6344
373	8146	10984	8146	10984	2828	237.9986	404	102.2	23.9192	149.5730	160.8867
374	7956	10630	7956	10630	2666	231.6747	386	102.2	23.6438	146.7527	158.2953
375	4757	7348	4757	7348	2582	226.6059	335	102.2	26.7146	144.6278	156.1437
376	416	3102	416	3102	2673	230.4749	408	105.8	28.8632	147.8559	159.1378
377	6214	8676	6214	8676	2454	231.5772	347	102.2	25.3548	148.9745	161.2178
378	10202	12654	10202	12654	2445	234.0025	365	102.2	25.8089	147.0200	159.0323
379	10753	13576	10753	13576	2817	240.4218	415	102.2	26.7136	150.8858	162.2558
380	4532	7168	4532	7168	2626	230.0954		102.2	26.6712	145.9769	157.3605
381	2485	4977	2485	4977		240.9766	365	102.2			163.7257
382	12832	15677	12832	15677	2831	241.4810					160.3530
383	12209	14729	12209			246.7547	370		25.5713		164.9506
384	11278	13997	11278	13997	2712	240.8223	400	102.2	26.0052	150.8187	162.4984
385	13660	16305	13660	16305		230.4299			23.7717	142.3961	153.8280
386	13331	16062									
387	1141	3861	1141	3861		239.6737	402	105.8		150.0474	161.5880
388	5795	8640	5795	8640		232.0263			25.0732		160.1350
389	6471	9155	6471	9155		233.2421	382	102.2	25.6150		161.5627
390	8882	11645	8882			236.8641					158.9162
391	2618									150.5059	
392	13187	15989							25.1064		
393	8246	10915								149.6121	
394	10476	13292				238.4771			25.8443		160.8101
395	7659	10140							24.1069		
396	13491		13491						23.8274		155.6953
397	2058	4707	2058		2644						162.1842
398	10562	13375				238.8085			26.0863		
399	5231	7937	5231			232.8484			25.6950		
400	5734	8384			2643					149.8910	
401 402	13914	16617				228.3079			24.0459		152.1347
402	11809	14531	11809 12491			244.5204 245.5492			25.7282 24.8938		
403	12491 800										
404	6751	3560 9357	6751	9357	2747 2599						
405	13644								23.7890		
		16425									
407	7262	9818	7262	9818	2548	232.4645	559	102.2	23.1063	149.0298	160.9773

	Case II										
Sample	Starting	Ending									
Number	Record	Record	(a)_1	(a)_2	(b)	(c)	(d)	(e)	(f)	(g )_1	(g)_2
408	806	3346	806	3346	2527	233.3070	386	105.8	29.1216	148.7266	160.4107
409	10256	12816	10256	12816	2553	235.5321	373	102.2		147.4060	159.1706
410	4306	6908	4306	6908		230.0098		102.2		145.7414	
411	2719	5406	2719	5406		240.9721	379	102.2		150.2325	
412	4013	6510	4013	6510						147.6196	
413	11722	14256		14256		242.0413	377	104.0		151.5059	
414	12532	15308		15308		245.1010	402	104.0	25.2839	150.6298	
415 416	2858 11545	5557 14404	2858 11545	5557 14404	2689 2850	240.6819 242.1945	382 423	102.2 104.0	26.1925 25.3594	149.7683 151.8106	
417	10153	12708						104.0		147.8435	
418	12431	15150				245.0894		104.0		151.0249	
419	1605	4429	1605	4429		239.1615	429	102.2	27.8977	150.1369	
420	6840	9610	6840	9610		236.0638	383	102.2	24.5624	151.5497	163.2762
421	3853	6558	3853	6558		231.9904		102.2		147.4966	
422	11554	14144	11554			240.1939	387	102.2		150.7324	162.6907
423	1202	3935	1202	3935	2723	242.2647	407	105.8	28.8036	150.5789	162.1247
424	3667	6528	3667	6528	2849	234.5703	368	102.2	25.7316	148.1358	159.0562
425	3965	6824	3965	6824	2847	229.0460	364	102.2	25.6321	145.9144	156.7102
426	4011	6539	4011	6539		232.3495	322	102.2	25.7490	147.7335	159.2693
427	2173	5070	2173	5070		237.9482	418	102.2		151.5666	
428	693	3488	693	3488		229.1563	425	105.8	28.7210	146.6011	157.6181
429	10201	13022		13022	2814	236.4023	422	102.2		148.6520	
430	4389	7022	4389	7022	2624	229.5789	332	102.2		146.1563	
431	9798	12244	9798					102.2		146.8060	
432 433	8952 7842	11695 10376	8952 7842	11695 10376		235.3803 231.6365	382 369	102.2 102.2	24.8342 23.4497	147.0858 146.7754	
434	3100	5871	3100	5871		239.6804		102.2	26.3674	149.3592	160.6329
435	12177					246.9104					
436	648					230.2695				147.3062	
437	7902	10309				230.8584					
438	2130	4608				237.7952					
439	3382	5798	3382	5798	2408	238.6408	313	102.2	26.4697	149.0272	160.9969
440	10234	13000	10234	13000	2759	236.5748	414	102.2	25.7198	148.6195	160.0525
441	10345	12999	10345	12999	2647	235.0485	388	102.2	25.7135	148.1074	159.7513
442	5117	7852	5117	7852	2727				26.4087		
443	11076	13662		13662						150.1677	
444	6356	9156			2789					149.4303	
445	3786	6589						102.2		147.6746	
446	12669	15107		15107						150.5858	
447	5590	8024	5590			231.9861		102.2		147.9958	
448	3126	5873	3126		2737					149.4428	
449 450	1253 13580	4019 16181	1253 13580	4019 16181		240.9811 231.0826	_	105.8		149.8707 142.8460	161.2942 154.4312
450	6995	9524	6995	9524		231.0826		104.0		150.9756	
451	6995	9524	כצפס	9324	2522	234.8335	221	102.2	24.5559	130.9736	105.2084

	Case II					Chec	kpoii	nt Solut	tion		
Sample	Starting	Ending									
Number	Record	Record	(a)_1	(a)_2	(b)	(c)	(d)	(e )	(f)	(g )_1	(g )_2
452	10766	13344	10766	13344	2573	236.5488	384	102.2	26.2185	147.8580	159.6686
453	8988	11463	8988	11463	2468	237.8072	351	102.2	25.2936	148.0409	159.8983
454	7311	10020	7311	10020	2701	234.1423	375	102.2	23.3087	149.6678	161.2512
455	12301	15053	12301	15053	2741	247.4541	395	104.0	25.0480	151.9603	163.7909
456	13964	16530	13964	16530	2556	226.3114	359	104.0	24.2078	139.8980	151.2882
457	3214	5755	3214	5755	2533	239.3359	337	102.2	26.0974	149.1238	160.9314
458	12903	15461	12903	15461	2546	246.3404	367	104.0	25.3694	150.6477	162.8150
459	5064	7678	5064	7678	2604	233.1299	337	102.2	26.2512	147.1991	158.8354
460	13317	16037	13317	16037	2705	235.1924	378			145.8935	157.2681
461	9100	11529	9100	11529	2424	238.1590	337	102.2		148.1800	
462	3654	6187	3654	6187		237.8409	_	102.2		148.5531	160.2443
463	10127	12593		12593		234.4699		102.2		147.2714	
464	5215	7997	5215	7997		231.9490	_	102.2		148.6010	
465	8633	11106	8633			238.4817	348	102.2		148.7427	160.6723
466	8817	11509	8817			237.2597	383	102.2		148.3776	
467	3841	6268	3841	6268		236.2477	311	102.2		148.0639	
468	4534	7324	4534	7324		230.3562	362	102.2		145.9716	
469	13327	15929				237.5829		104.0		146.5772	
470	13711	16516		16516		229.0029		104.0		141.7728	
471	10237	12779		12779		236.3235		102.2		147.5978	
472	8647	11539	8647	11539		236.7560	408	102.2		148.7430	
473	5997	8540	5997	8540		230.4196	_	102.2		148.2845	
474	12483	14905		14905				104.0		151.7259	
475	11215	14088				239.1838		102.2		150.3895	
476	5068	7540	5068	7540		232.2611		102.2			
477	43	2448	43 7150	2448 9600		230.6332 234.7520		105.8 102.2		146.6089 150.1925	
478 479	7150 6223	9600 8922									162.5694 161.6674
480	7251	10014				231.9493					
481	5612	8022				232.7809					
482	6114	8707		8707		232.7809					
483	9355	11839		11839						147.0093	
484	2255	4724			2464					151.1587	163.2504
485	8172	10764								148.5709	
486	103	2992				230.1986					
487	433	2935				229.9657					
488	12326	14917		14917		247.8050	_				
489	10009	12593				234.8170				147.2514	
490	12987	15461		15461		246.5300				150.6941	
491	12670	15407		15407						151.8059	
492	2650	5447				241.4158					
493	2663	5400				240.8825					
494	13251	15879		15879						146.8896	
495	13505	15917	13505	15917	2400	233.7425	339	104.0	24.4708	144.2861	156.3489

	Case II					Chec	ckpoi	nt Solu	tion		
Sample	Starting	Ending									
Number	Record	Record	(a)_1	(a)_2	(b)	(c)	(d)	(e)	(f)	(g )_1	(g)_2
496	3562	6360	3562	6360	2787	236.2428	358	102.2	25.7952	148.9174	160.0226
497	13964	16726	13964	16726	2751	226.1529	376	104.0	24.2216	140.4264	151.3271
498	13658	16425	13658	16425	2754	228.9101	388	104.0	23.7890	141.8417	152.9601
499	12505	15365	12505	15365	2847	247.9880	414	104.0	25.2260	152.0605	163.6753
500	5671	8422	5671	8422	2743	235.4751	382	102.2	25.6222	149.8456	161.3611
501	9386	12207	9386	12207	2813	236.2614	396	102.2	24.7321	146.7904	157.8140
502	7049	9746	7049	9746	2688	232.7246	378	102.2	23.7945	148.8815	160.5396
503	3617	6017	3617	6017	2392	239.1849	304	102.2	26.4511	148.9593	160.9847
504	7188	10067	7188	10067	2871	234.7713	408	102.2	24.0435	149.9961	161.2829
505	5959	8745	5959	8745	2776	230.9901	387	102.2	25.0953	148.7393	160.2456
506	100	2680	100	2680	2567	230.9931	383	105.8	29.1850	147.6119	159.0449
507	11645	14296	11645	14296	2644	241.3655	394	104.0	25.2460	151.3591	163.3013
508	6464	8881	6464	8881	2411	233.2369	344	102.2	25.3427	149.6079	162.0844
509	9367	11860	9367	11860	2486	237.9812	351	102.2	24.8132	147.0713	158.8410
510	12323	14913	12323	14913	2582	247.8178	370	104.0	25.1192	152.3338	164.5709
511	3334	6035	3334	6035	2691	239.8009	346	102.2	26.1731	149.2637	160.5795
512	3734	6218	3734	6218	2474	237.3834	313	102.2	25.8350	148.4763	160.2739
513	2041	4673	2041	4673	2627	238.2383	389	102.2	25.8273	150.4158	162.0569
514	13328	16083	13328	16083	2740	236.8924	385	104.0	24.8476	146.6557	157.9764
515	12466	15083	12466	15083	2606	247.0193	373	104.0	24.9030	151.1974	163.2684
516	13246	15892	13246	15892	2633	237.7392	369	104.0	25.1189	146.8851	158.5209
517	1989	4435	1989	4435	2441	238.5707	372	102.2	26.0771	149.7200	161.8949
518	7705	10544	7705	10544	2833	231.8429	418	102.2	23.3786	147.0834	158.1901
519	1330	4136	1330	4136		239.4430	426		28.0046		160.3895
520	10707	13237	10707	13237		236.1859	377	102.2	26.2652		159.5754
521	1848	4481	1848	4481		237.9291		102.2	27.0802		161.4678
522	4830	7250	4830	7250		229.1822					
523	4075	6667	4075	6667	2581	230.2327	325	102.2	25.1162	146.1786	157.4866
524	3456	6356	3456			237.8616					
525	7116	9885	7116			235.1382					
526	2159	4735	2159		2571				25.9751		
527	3047	5760			2703						
528	13947		13947								
529	12610	15141		15141							
530	11572					241.8287					
531	12042		12042								
532	13893		13893								152.0453
533	9574	12280	9574						25.3798		157.2983
534	4772	7479	4772		2697						
535	1960	4530	1960		2565						
536	3865	6573	3865			231.9742			25.4849		
537	6338	9176	6338		2827						
538	1817	4686	1817		2862	238.7457			26.9861		
539	138	2822	138	2822	2671	231.6885	400	105.8	28.9116	147.9864	159.2940

	Case II					Chec	kpoi	nt Solu	tion		
Sample	Starting	Ending									
Number	Record	Record	(a)_1	(a)_2	(b)	(c)	(d)	(e)	(f)	(g )_1	(g)_2
540	12807	15680	12807	15680	2859	242.3009	417	104.0	25.5540	149.0507	160.4414
541	7689	10225	7689	10225	2530	232.1522	364	102.2	23.7058	147.3895	159.2793
542	2865	5403	2865	5403	2528	240.7336	360	102.2	26.3892	149.6841	161.5303
543	710	3403	710	3403	2680	229.9004	410	105.8	28.8082	147.2782	158.5912
544	4936	7617	4936	7617	2671	232.4593	345	102.2	26.6730	146.9853	158.4127
545	5117	7571	5117	7571	2446	230.2964	318	102.2	26.5208	145.7330	157.6154
546	13820	16537	13820	16537	2706	228.0403	384	104.0	24.1732	141.3374	152.4904
547	4547	7257	4547	7257	2700	231.6581	344	102.2	26.7671	146.3377	157.5919
548	3970	6638	3970	6638	2656	229.9072	339	102.2	25.5962	146.1330	157.3076
549	4856	7615	4856	7615	2749	231.2053	358	102.2	26.4242	146.8306	158.0556
550	9508	12095	9508	12095	2580	235.7347	366	102.2	24.6681	146.0536	157.5061
551	11423	14262	11423			240.0818	410	104.0	24.6784	150.6937	162.0904
552	6112	8646	6112	8646	2525	231.2965	354	102.2	25.2332	148.8048	160.8998
553	4609	7393	4609	7393	2773	230.1447	360	102.2	26.7147	145.6621	156.7916
554	3370	5810	3370	5810	2432	238.0989	316	102.2	26.4138	148.8797	160.7996
555	12682	15525	12682	15525	2829	244.5294	409	104.0	25.2711	149.9520	161.4732
556	6421	9029	6421	9029	2600	231.4190	369	102.2	25.0589	148.9136	160.8910
557	5101	7638	5101	7638	2529	230.9146	331	102.2	26.2998	146.4946	158.2282
558	6993	9844	6993	9844		235.5129		102.2	24.2942		161.8123
559	13892	16407	13892		2505	228.0864					152.7656
560	5521	8035	5521	8035	2506	231.9992	327	102.2	25.8062	147.7462	159.4980
561	9386	11816	9386			238.3459		102.2	24.6141		159.1638
562	3429	5881	3429	5881		239.6607		102.2			161.1108
563	3419	6009	3419	6009		240.7137	331		26.3435		161.0536
564	3136	5611	3136	5611		241.1987	338		26.3140		161.9976
565	1357	4133	1357	4133		239.1520		105.8			160.5285
566	2436	5014	2436	5014		239.7172					163.3211
567		6353				236.7736					
568	13583	16390				227.7994					
569	2241	4990				239.1192					163.0727
570	10857	13704							26.2441		
571	2599	5435	2599		2825						162.0830
572	3331	6096	3331		2754						
573	7037	9654	7037			234.2919					
574	4104	6686			2571						
575 576	3649	6147 4640	3649 1813			237.7918 238.7521					
576	1813 565	3064	565		2820 2489	229.9079			28.9729		161.9438 159.1704
578	10377	12784		12784							
579	335	3179	335			230.8048					
580	8676	11124	8676								
581	3289	5709	3289		2412						
582	1510	4129	1510		2612	238.2197					
583	1055	3692	1055								161.7050
563	1035	3092	1022	3092	2023	237.4300	392	102.8	20.0008	120.0310	101./050

	Case II					Chec	kpoi	nt Solut	tion		
Sample	Starting	Ending									
Number	Record	Record	(a)_1	(a)_2	(b)	(c)	(d)	(e)	(f)	(g )_1	(g)_2
584	13243	15807	13243	15807	2551	238.4266	361	104.0	25.2697	147.4885	159.3825
585	3375	5786	3375	5786	2403	238.4225	314	102.2	26.3821	148.8740	160.8613
586	12653	15275	12653	15275	2610	245.7265	372	104.0	25.2339	150.9235	162.9516
587	1364	4113	1364	4113	2741	239.5626	418	105.8	28.0976	149.0434	160.4888
588	11144	13842	11144	13842	2691	237.7038	404	102.2	26.2361	149.9649	161.6226
589	5956	8799	5956	8799	2833	230.9292	393	102.2	25.0078	149.1772	160.5778
590	3180	5829	3180	5829	2641	238.1051	354	102.2	26.2458	149.0661	160.5863
591	4173	6657	4173	6657	2474	230.3051		102.2	25.2927	145.9768	157.4727
592	12411	15111				246.0454					162.9481
593	12158	14887	12158		2721	246.4532				152.3747	164.3052
594	7128	9896	7128	9896		235.4909			23.6178		161.4054
595	13783	16217	13783		2423	231.1060				142.7607	154.7250
596	361	3116	361	3116		229.9059			28.7170		
597	1865	4682	1865	4682		238.5064		102.2	27.0111	150.2233	161.4700
598	11324	13925				239.2189			26.0030		162.1317
599	2230	4779	2230	4779		241.0329					163.4041
600	9811	12580	9811			236.4551		102.2			159.2959
601	5412	7874	5412	7874		233.8333		102.2			
602	11650	14436				242.4657	413	104.0			163.6340
603	1253	4149	1253	4149		240.0139		105.8	28.6806		
604	13347	15756		15756		239.7186		104.0			160.1117
605	2570	5367	2570	5367	2786	241.2661			26.1609		
606 607	2773	5397	2773 3226	5397 5861	2613 2626				26.0898 26.1624		
608	3226 9710	5861 12387	9710		2669	234.2155		102.2	25.4453		
609	11815	14464				245.2873					164.9611
610	2345	4771	2345	4771		243.2572					
611	10808					237.0289					
612	13038	15861				240.2173					
613	11925		11925			247.6405					
614	6029	8813	6029			230.0842					
615	1250	3687	1250			240.3033					162.0193
616	4186	7010	4186		2814				25.8368		
617	8440	11277				234.1693					
618	13037	15813									
619	13341	15908				238.0220					
620	9236	11920		11920							158.4466
621	4569	7132	4569		2553	230.8085		102.2		146.1565	
622	2914	5596	2914	5596	2672	241.2770	373	102.2	26.5567	150.0797	161.5940
623	7615	10072	7615	10072	2451	233.5642	345	102.2	24.2047	148.2409	160.4372
624	12071	14904	12071	14904	2825	245.8644	412	104.0	25.6524	151.7964	163.4545
625	7926	10395	7926	10395	2463	230.2326	361	102.2	23.5024	146.1638	158.1926
626	11153	13809	11153	13809	2650	237.0821	396	102.2	26.0224	149.6333	161.3403
627	8559	11117	8559	11117	2549	238.3374	360	102.2	23.8879	148.9908	160.7448

	Case II		Checkpoint Solution								
Sample	Starting	Ending									
Number	Record	Record	(a)_1	(a)_2	(b)	(c)	(d)	(e)	(f)	(g )_1	(g)_2
628	622	3492	622	3492	2857	230.3830	439	105.8	28.8286	147.0360	157.9307
629	11253	13870	11253	13870	2610	240.1655	383	102.2	26.2748	150.7710	162.6888
630	1889	4641	1889	4641	2747	237.4913	411	102.2	26.7685	149.9967	161.3480
631	6380	8841	6380	8841	2453	233.5039	349	102.2	25.3669	150.0286	162.4085
632	7713	10389	7713	10389	2670	231.7961	394	102.2	23.2574	147.2855	158.7782
633	12559	15099	12559	15099	2529	248.0659	365	104.0	25.0223	151.4079	163.6518
634	12317	14826	12317	14826	2503	248.9057	365	104.0	25.2745	153.1194	165.6692
635	4853	7741	4853	7741	2878	234.1046	372	102.2	26.7044	148.0342	159.1277
636	13195	16025	13195	16025	2815	238.3110	399	104.0	25.1231	147.0310	158.2869
637	9084	11679	9084	11679	2589	238.0942	361	102.2	24.5333	148.1939	159.7312
638	11618	14375	11618	14375	2750	242.9722	409	104.0	25.3005	152.0662	163.8283
639	9260	11672	9260	11672	2406	240.3571	341	102.2	24.4053	148.0624	160.0690
640	5097	7918	5097	7918	2813	234.7344	371	102.2	26.2549	148.4797	159.6838
641	3225	5707	3225	5707	2474	239.3498	326	102.2	26.1125	149.4609	161.4299
642	3235	5685	3235	5685	2442	240.2782	322	102.2	26.2535	149.9966	162.0861
643	6117	8815	6117	8815	2690	231.3588	376	102.2	24.9846	149.3439	161.0985
644	13868	16444	13868	16444	2566	228.1209	359	104.0	23.9904	141.4005	152.8778
645	12270	15048	12270	15048	2766	247.9712		104.0			163.9020
646	7394	10212	7394			236.5158		102.2	23.5553		161.8668
647	6907	9350	6907	9350		232.7371		102.2	24.8837	150.7144	163.1321
648	11100	13551	11100	13551	2446	239.7504		100.4	26.4614	150.4489	162.6819
649	29	2582	29	2582		230.6667	377	105.8			159.0484
650	8639	11466	8639								
651	11131	13921				238.2366			25.9682		
652	4824	7421	4824	7421		229.1957	338		26.7648		
653	1511	3965	1511	3965		239.0219					161.0815
654	8160	10617	8160			233.7745					
655	9904	12316								145.7889	
656	8906	11742		11742							
657	11212		11212							150.0961	
658	409	3199			2776				29.0873		
659	3789	6337	3789						25.5591		
660	10994	13480				235.8010			26.8846		
661	7115	9814	7115		2691						
662	7943	10403							23.4797		158.3148
663	2685	5496			2800				25.8465		
664	10194	13022		13022					25.5155		
665	824	3329	824			233.7432			29.2138		
666	2435	5096			2651	241.8571			25.7497		
667	11341	14061			2712 2706	239.9897					
668 669	2007	4718							25.8877	151.0295	
670	10503	13353				238.8529 232.9748			26.1441		
	9902	12344							25.5877	145.6897	157.5711
671	11630	14198	11630	14198	2561	240.8112	385	104.0	25.1146	151.2770	163.3665

	Checkpoint Solution										
Sample	Starting	Ending									
Number	Record	Record	(a)_1	(a)_2	(b)	(c)	(d)	(e)	(f)	(g )_1	(g )_2
672	11157	13725	11157	13725	2562	238.2167	388	102.2	26.4208	149.9515	161.9229
673	11405	13887	11405	13887	2476	240.7442	365	102.2	25.5011	150.3375	162.4888
674	5686	8584	5686	8584	2888	232.6142	401	102.2	25.3346	148.5044	159.6819
675	2714	5239	2714	5239	2515	243.3860	353	102.2	26.1383	150.7936	162.7444
676	742	3570	742	3570	2815	231.3706	432	105.8	28.5261	147.6171	158.6393
677	7299	9768	7299	9768	2461	232.5484	348	102.2	23.1939	149.3046	161.4553
678	9758	12481	9758	12481	2716	236.1623	397	102.2	25.6349	147.7846	159.1388