

000972

PROGRAM DESCRIPTION I

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Program Title Baseball SimulationContributor's Name Eric DippelAddress 2874 NW 29th StreetCity Corvallis State OR Zip Code 97330

Program Description, Equations, Variables The program simulates a baseball game based on the statistics of actual major league players. A random number generator is used to determine the outcome of each batter depending on the players' lifetime percentages. Runners are advanced and the score is displayed automatically. Substitutions can be made at any time. Player data cards can be made (when the player's statistics are known) by using the player card program.

Necessary Accessories Printer, Card Reader, 3 Memory Modules

Operating Limits and Warnings Because of the length of the program, there is a special initialization program in addition to the game program.

Reference(s) _____

This program has been verified only with respect to the numerical example given in *Program Description II*. User accepts and uses this program material AT HIS OWN RISK, in reliance solely upon his own inspection of the program material and without reliance upon any representation or description concerning the program material.

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AT BAT: SCHMIT	1 2 3 4 5 6 7 8 9 R
FLY OUT	
OUT 2	V: 0 0 0 0
	H: 1 0 1
AT BAT: BROCK	
GROUND OUT	INNING 3
OUT 3	BOTTOM
1 2 3 4 5 6 7 8 9 R	
V: 0 0 0 0	
H: 1 0 1	
INNING 2	DUE UP:
BOTTOM	CEY
	SINGTH
	LEMON
DUE UP:	AT BAT: CEY
GARVEY	GROUND OUT
KEMP	OUT 1
BENCH	
AT BAT: GARVEY	
FLY OUT	
OUT 1	
AT BAT: KEMP	
FLY OUT	
OUT 2	
AT BAT: BENCH	
GROUND OUT	
OUT 3	
1 2 3 4 5 6 7 8 9 R	
V: 0 0 0 0	
H: 1 0 1	
INNING 3	AT BAT: LEMON
TOP	FLY OUT
	OUT 2
DUE UP:	AT BAT: ROSE
LYNN	FLY OUT
FOSTER	OUT 3
NETTLE	
	1 2 3 4 5 6 7 8 9 R
	V: 0 0 0 0
	H: 1 0 1 2
AT BAT: LYNN	INNING 4
FLY OUT	TOP
OUT 1	
AT BAT: FOSTER	DUE UP:
FLY OUT	LOPES
OUT 2	CAREW
	JACKSON
AT BAT: NETTLE	
FLY OUT	
OUT 3	AT BAT: LOPES

				SIZE: 095
STEP	INSTRUCTIONS	INPUT	FUNCTION	DISPLAY
1	To make player data cards, load Baseball Initialization program and XEQ "CARD". To start game, go to step 12.		XEQ "CARD"	NAME:
2	Enter player's name (limited to 6 characters)	Name	R/S	AT BATS?
3	Enter number of at bats	AB	R/S	HITS?
4	Enter total hits (singles, doubles, triples, and home runs)	HITS	R/S	DOUBLES?
5	Enter number of doubles	DBLS.	R/S	TRIPLES?
6	Enter number of triples	TPLS.	R/S	HRS.?
7	Enter number of home runs	HRS.	R/S	SO?
8	Enter number of strike outs	SO	R/S	WALKS?
9	Enter number of walks	WALKS	R/S	RDY 01 OF 01
10	Feed blank card through reader			"DONE"
11	For new player, go to step 1			
12	Load Baseball Initialization program and start		XEQ "BB"	VIS. TEAM?
13	Enter name of visiting team (limited to 6 characters)	Name	R/S	HOME TEAM?
14	Enter name of home team (limited to 6 characters)	Name	R/S	PLAYER 1
15	Load player cards of nine players on visiting team in desired batting order			thru PLAYER 9
16	Repeat step 15 for home team			PLAYER 1 thru PLAYER 9

PROGRAM LISTING

BASEBALL INITIALIZATION

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STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS	STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS
01				01	LBL	SUB	SUBSTITUTION SUBROUTINE
				02	PLAYER		
				NUM.	?		
				03	PROMPT		
				04	4		
				05	*		
				06	LASTX		
				07	-		
10				08	ENTER↑		
				09	ENTER↑		
				10	LASTX		
				11	+		
				12	1 E-3		
				13	*		
				14	+		
				15	1		
				16	+		
20				17	NEW PLA YER		
				18	AVIEW		
				19	RDTAX		
				20	RTN		
				21	LBL BB		INITIALIZATION
				22	FIX 0		
				23	CF 29		
				24	VIS. TE AM?		
				25	ADN		
30				26	PROMPT		
				27	ASTO 73		
				28	HOME TE AM?		
				29	PROMPT		
				30	ASTO 74		
				31	AOFF		
				32	1.07204		
				33	STO 00		
				34	LBL 00		LOADS PLAYER DATA INTO REGISTERS
40				35	RCL 00		
				36	INT		
				37	1		
				38	-		
				39	4		
				40	/		
				41	1		
				42	+		
				43	STO 90		
				44	9		
50				45	MOD		

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STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS	STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS
46	X=0?			94	ADV		
47	9			95	GTO 10		
48	"PLAYER			96	LBL 01		
				97	CLA		
49	ARCL X			98	ARCL IND		
50	RCL 90			00			
51	AVIEW			99	AVIEW		
52	ENTER↑			100	CLA		
53	ENTER↑			101	ISG 00		
54	4			102	GTO 01		
55	*			103	RTN		
56	1 E-3			104	RTN		
57	*			105	CLX		
58	RCL 00			106	RTN		
59	INT			107	LBL 10		BUILDS AND STORES SPECIAL CHARACTERS
60	+			108	0		
61	RDTAX			109	BLDSPEC		
62	ISG 00			110	16		
63	GTO 00			111	BLDSPEC		
64	CLX			112	86		
65	"NOW: PR			113	BLDSPEC		
INTER"				114	57		
66	AVIEW			115	BLDSPEC		
67	STOP		PRINTS OUT LINEUPS	116	57		
68	SF 12			117	BLDSPEC		
69	ADV			118	86		
70	CLA			119	BLDSPEC		
71	ARCL 73			120	16		
72	AVIEW			121	BLDSPEC		
73	ADV			122	STO 80		
74	CLA			123	0		
75	1.03304			124	BLDSPEC		
76	STO 00			125	62		
77	CF 12			126	BLDSPEC		
78	XEQ 01			127	62		
79	SF 12			128	BLDSPEC		
80	ADV			129	62		
81	CLA			130	BLDSPEC		
82	ARCL 74			131	62		
83	AVIEW			132	BLDSPEC		
84	CLA			133	62		
85	ADV			134	BLDSPEC		
86	37.06904			135	0		
87	STO 00			136	BLDSPEC		
88	CF 12			137	STO 78		
89	XEQ 01			138	0		
90	ADV			139	BLDSPEC		
91	ADV			140	8		
92	ADV			141	BLDSPEC		
93	ADV			142	8		

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STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS	STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS
143	BLDSPEC			191	"PLUG IN		
144	8				CRD RDR		
145	BLDSPEC			192	AVIEW		
146	8			193	CLA		
147	BLDSPEC			194	ADV		
148	8			195	ADV		
149	BLDSPEC			196	ADV		
150	0			197	ADV		
151	BLDSPEC			198	ADV		
152	STO 81			199	SF 11		
153	0			200	RTN		
154	BLDSPEC			201	"LOAD BB		
155	30				PRGM"		
156	BLDSPEC			202	AVIEW		
157	62			203	RTN		
158	BLDSPEC			204	LBL "CAR		
159	126				D"		PLAYER DATA CARD SUBROUTINE
160	BLDSPEC			205	"NAME?"		
161	62			206	AON		
162	BLDSPEC			207	PROMPT		
163	30			208	AOFF		
164	BLDSPEC			209	ASTO 00		
165	0			210	"AT BATS		
166	BLDSPEC				?"		
167	STO 77			211	PROMPT		
168	30			212	STO 10		
169	BLDSPEC			213	"HITS?"		
170	16			214	PROMPT		
171	BLDSPEC			215	STO 11		
172	86			216	"DOUBLES		
173	BLDSPEC				?"		
174	57			217	PROMPT		
175	BLDSPEC			218	STO 12		
176	57			219	"TRIPLES		
177	BLDSPEC				?"		
178	70			220	PROMPT		
179	BLDSPEC			221	STO 13		
180	STO 79			222	"HRS.?"		
181	"-----"			223	PROMPT		
182	ASTO 86			224	STO 14		
183	..9351862			225	"SO?"		
47				226	PROMPT		
184	STO 90			227	STO 15		
185	SF 12			228	"WALKS?"		
186	"PLAY B			229	PROMPT		
ALL"				230	STO 16		
187	AVIEW			231	ST+ 10		
188	CLA			232	RCL 10		
189	CF 12			233	RCL 11		
190	ADV			234	--		

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STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS	STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS
235	RCL	15		285	1 E3		
236	-			286	/		
237	2			287	ST+ 02		
238	/			288	RCL 14		
239	STO 17			289	RCL 10		
240	RCL 10			290	/		
241	/			291	XEQ 11		
242	XEQ 11			292	XEQ 12		
243	STO 18			293	XEQ 11		
244	XEQ 11			294	STO 03		
245	STO 01			295	999		
246	RCL 12			296	ST+ 03		
247	RCL 13			297	CLX		
248	RCL 14			298	000.003		
249	+			299	WDTAX		
250	+			300	"DONE"		
251	RCL 11			301	AVIEW		
252	X<>Y			302	RTN		
253	-			303	LBL 11		
254	RCL 10			304	1 E3		
255	/			305	*		
256	XEQ 11			306	INT		
257	XEQ 12			307	RTN		
258	ST+ 01			308	LBL 12		
259	RCL 15			309	ST+ 18		
260	RCL 10			310	RCL 18		
261	/			311	RTN		
262	XEQ 11			312	.END.		
263	XEQ 12						
264	1 E3						
265	/			80			
266	ST+ 01						
267	RCL 12						
268	RCL 10						
269	/						
270	XEQ 11						
271	XEQ 12						
272	XEQ 11						
273	STO 02						
274	RCL 17						
275	RCL 10			90			
276	/						
277	XEQ 11						
278	XEQ 12						
279	ST+ 02						
280	RCL 13						
281	RCL 10						
282	/						
283	XEQ 11						
284	XEQ 12			00			

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STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS	STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS
01	01+LBL 10		PRINT OUT OF FIELD STATUS	52	GTO 16		
02	ADV			53	GTO 17		
03	SF 12			54+LBL 21			
04	FS? 20			55 6			
05	XEQ 21			56 SKPCHR			
06	6			57 RCL 80			
07	SKPCHR			58 ACSPEC			
08	RCL 78			59 PRBUF			
09	ACSPEC			60 RTN			
10	PRBUF			61+LBL 22			
11	ADV			62 XEQ 24			
12	ADV			63 7			
13	2			64 SKPCHR			
14	SKPCHR			65 GTO 23			
15	FS? 22			66+LBL 24			
16	GTO 22			67 RCL 80			
17	8			68 ACSPEC			
18	SKPCHR			69 RTN			
19+LBL 23				70+LBL "BB"			BEGINS GAME
20 FS? 19				71 FIX 0			
21 XEQ 24				72 CF 29			
22 PRBUF				73 SF 05			
23 2				74 0			
24 SKPCHR				75 STO 82			
25 RCL 78				76 STO 83			
26 ACSPEC				77 STO 92			
27 3				78 STO 93			
28 SKPCHR				79 STO 87			
29 RCL 81				80 CF 19			
30 ACSPEC				81 CF 20			
31 3				82 CF 22			
32 SKPCHR				83 XEQ 11			
33 RCL 78				84 1			
34 ACSPEC				85 STO 74			
35 PRBUF				86 STO 73			
36 ADV				87+LBL 03			PRINT OUT OF INNING #
37 ADV				88 ADV			
38 ADV				89 "INNING"			
39 5				90 ARCL 73			
40 SKPCHR				91 AVIEW			
41 RCL 79				92 "BOTTOM"			
42 ACSPEC				93 FS? 05			
43 RCL 77				94 "TOP"			
44 ACSPEC				95 AVIEW			
45 PRBUF				96 CLA			
46 CF 12				97 ADV			
47 ADV				98 XEQ 14			
48 ADV				99+LBL 08			
49 ADV				100 1.003			
50 ADV							
51 FS? 05							

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STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS	STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS
101	STO 76			148	XEQ 33		
102	FS? 05			149	XEQ 31		
103	GTO 06			150	0		
104	RCL 75			151	FS? 05		
105	STO 84			152	.001		
106	LBL 12			153	ST- 94		
107	ARCL IND			154	"H:"		
108	AVIEW			155	RCL 93		
109	CLA			156	LBL 33		
110	ISG 75			157	10		
111	GTO 80			158	*		
112	XEQ 11			159	INT		
113	LBL 80			160	ARCL X		
114	ISG 76			161	"F "		
115	GTO 12			162	LASTX		
116	GTO 05			163	FRC		
117	LBL 06			164	ISG 94		
118	XEQ 15			165	GTO 33		
119	XEQ 65			166	ACA		
120	ISG 76			167	CLA		
121	GTO 06			168	22		
122	ADV			169	RCL 94		
123	GTO 05			170	INT		
124	LBL 14			171	2		
125	"DUE UP:"			172	*		
126	AVIEW			173	-		
127	CLA			174	SKPCHR		
128	RTN			175	RCL 83		
129	LBL 11			176	FS? 08		
130	37.06904			177	RCL 82		
131	STO 75			178	ARCL X		
132	RTN			179	ACA		
133	LBL 04			180	PRBUF		
134	" 1 2 3			181	FS?C 08		
135	"F 8 9			182	RTN		
136	PRA			183	1		
137	CLA			184	FS? 05		
138	ARCL 86			185	0		
139	ARCL 86			186	ST+ 73		
140	ARCL 86			187	CF 19		
141	ARCL 86			188	CF 20		
142	PRA			189	CF 22		
143	LBL 34			190	FC?C 05		
144	XEQ 31			191	SF 05		
145	"V:"			192	RCL 73		
146	RCL 92			193	9		
147	SF 08			194	X<Y?		
				195	STOP		END OF GAME
				196	X=Y?		
				197	XEQ 95		
				198	GTO 03		

PRINT OUT OF
LINESCORE

END OF GAME

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STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS	STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS
0199	LBL 95			246	LBL 40		DETERMINE RANDOM
200	FS?C 09			247	STOP		NUMBER AND
201	GTO 97			248	XEQ 50		OUTCOME
202	SF 09			249	FC? 05		
203	RTN			250	GTO 41		
204	LBL 97			251	RCL 75		
205	RCL 82			252	1		
206	RCL 83			253	+		
207	X<=Y?			254	STO 88		
208	RTN			255	LBL 42		
209	STOP			256	RCL IND		
210	LBL 31			X			
211	RCL 73			257	STO 89		
212	1 E3			258	1 E3		
213	/			259	/		
214	1			260	INT		
215	+			261	RCL 91		
216	STO 94			262	X<=Y?		
217	RTN			263	GTO 63		
218	LBL 15			264	RCL 89		
219	RCL 74			265	1 E3		
220	36			266	/		
221	MOD			267	FRC		
222	ARCL IND			268	1 E3		
X				269	*		
223	AVIEW			270	INT		
224	CLA			271	RCL 91		
225	RTN			272	X<=Y?		
226	LBL 05		ADVANCE BATTING	273	GTO 51		
227	FC? 05		ORDER	274	RCL 89		
228	GTO 07			275	FRC		
229	12			276	1 E3		
230	ST- 74			277	*		
231	LBL 16			278	RCL 91		
232	ADV			279	X<=Y?		
233	"AT BAT:		NEXT BATTER	280	GTO 67		
"				281	XEQ 68		
234	XEQ 15			282	RCL IND		
235	GTO 40			88			
236	LBL 07			283	STO 89		
237	RCL 84			284	1 E3		
238	STO 75			285	/		
239	LBL 17			286	INT		
240	ADV			287	RCL 91		
241	"AT BAT:			288	X<=Y?		
"				289	GTO 61		
242	ARCL IND			290	RCL 89		
75				291	1 E3		
243	AVIEW			292	/		
244	CLA			293	FRC		
245	GTO 40			294	1 E3		

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STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS	STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS
295	*			345	.211327		
296	INT			346	+		
297	RCL 91			347	FRC		
298	X<=Y?			348	STO 90		
299	GTO 69			349	1 E3		
300	RCL 89			350	*		
301	FRC			351	INT		
302	1 E3			352	STO 91		
303	*			353	RTN		
304	RCL 91			354	LBL 51		
305	X<=Y?			355	"SINGLE"		
306	GTO 59			356	AVIEW		
307	XEQ 68			357	CLA		
308	RCL -IND			358	XEQ 65		
88				359	XEQ 50		
309	1 E3			360	700		
310	/			361	X>Y?		
311	INT			362	GTO 56		
312	RCL 91			363	GTO 52		
313	X<=Y?			364	LBL 61		
314	GTO 58			365	"DOUBLE"		
315	"WALK"			366	AVIEW		
316	AVIEW			367	CLA		
317	CLA			368	XEQ 65		
318	XEQ 65		ADVANCEMENT OF	369	SF 07		
319	FS? 19		RUNNERS ON	370	GTO 56		
320	GTO 70		BASE	371	LBL 59		
321	SF 19			372	"TRIPLE"		
322	GTO 10			373	AVIEW		
323	LBL 70			374	CLA		
324	FS? 20			375	XEQ 65		
325	GTO 71			376	GTO 57		
326	SF 20			377	LBL 58		
327	GTO 10			378	"HOME RU		
328	LBL 71			N"			
329	FS? 22			379	AVIEW		
330	XEQ 53			380	CLA		
331	SF 22			381	XEQ 65		
332	GTO 10			382	SF 06		
333	LBL 41			383	GTO 57		
334	RCL 74			384	LBL 53		RUN SCORED
335	1			385	"RUN SCO		
336	+			RED"			
337	36			386	AVIEW		
338	MOD			387	CLA		
339	STO 88			388	RCL 73		
340	GTO 42			389	10+X		
341	LBL 50			390	1/X		
342	RCL 90			391	FS? 05		
343	9821			392	GTO 55		
344	*			393	ST+ 93		

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STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS	STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS
394	1			445	LBL 60		
395	ST+ 83			446	XEQ 53		
396	RTN			447	GTO 10		
397	LBL 55			448	LBL 63		
398	ST+ 92			449	GROUND		
399	1				OUT		
400	ST+ 82			450	AVIEW		
401	RTN			451	CLA		
402	LBL 52			452	XEQ 65		
403	FS?C 22			453	RCL 87		
404	XEQ 53			454	2		
405	FS?C 20			455	X=Y?		
406	SF 22			456	CF 22		
407	FS?C 19			457	FS?C 22		
408	SF 20			458	XEQ 53		
409	SF 19			459	FS?C 20		
410	GTO 10			460	SF 22		
411	LBL 52			461	GTO 64		
412	FS?C 22			462	LBL 65		# OF OUTS
413	XEQ 53			463	FS? 05		
414	FS?C 20			464	GTO 66		
415	SF 22			465	ISG 75		
416	FS?C 19			466	RTN		
417	SF 20			467	XEQ 11		
418	SF 19			468	RTN		
419	GTO 10			469	LBL 66		
420	LBL 56			470	4		
421	FS?C 22			471	ST+ 74		
422	XEQ 53			472	36		
423	FS?C 20			473	MOD		
424	XEQ 53			474	RTN		
425	FS?C 19			475	LBL 64		LIST OUT #
426	SF 22			476	1		
427	FS?C 07			477	ST+ 87		
428	GTO 62			478	OUT		
429	SF 19			479	ARCL 87		
430	GTO 10			480	AVIEW		
431	LBL 62			481	CLA		
432	SF 20			482	RCL 87		
433	GTO 10			483	3		
434	LBL 57			484	X=Y?		
435	FS?C 22			485	GTO 01		
436	XEQ 53			486	ADV		
437	FS?C 20			487	0		
438	XEQ 53			488	STO 87		
439	FS?C 19			489	CF 19		
440	XEQ 53			490	CF 20		
441	FS?C 06			491	CF 22		
442	GTO 60			492	GTO 04		
443	SF 22			493	LBL 01		
444	GTO 10			494	FS? 05		

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STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS	STEP/ LINE	KEY ENTRY	KEY CODE (67/97 only)	COMMENTS
495	GTO 16			51			
496	GTO 17						
497	*LBL 67						
498	"STRIKE						
	OUT"						
499	AVIEW						
500	CLA						
501	XEQ 65						
502	GTO 64						
503	*LBL 68			60			
504	1						
505	ST+ 88						
506	RTN						
507	*LBL 69						
508	"FLY OUT						
	"						
509	AVIEW						
510	CLA						
511	XEQ 65						
512	RCL 87			70			
513	2						
514	X=Y?						
515	CF 22						
516	FS?C 22						
517	XEQ 53						
518	GTO 64						
519	..END.						
30				80			
40				90			
50				00			

REGISTERS, STATUS, FLAGS, ASSIGNMENTS
000970

[illegible]

ROW 1 (1 : 8)



ROW 2 (8 : 16)



ROW 3 (16 : 22)



ROW 4 (22 : 29)



ROW 5 (30 : 37)



ROW 6 (38 : 45)



ROW 7 (45 : 53)



ROW 8 (53 : 59)



ROW 9 (60 : 66)



ROW 10 (66 : 71)



ROW 11 (71 : 78)



ROW 12 (78 : 84)



ROW 13 (85 : 89)



ROW 14 (89 : 93)



ROW 15 (94 : 100)



ROW 16 (100 : 105)



ROW 17 (106 : 112)



ROW 18 (113 : 119)



ROW 19 (119 : 125)



ROW 20 (125 : 130)



ROW 21 (130 : 134)



ROW 22 (134 : 135)



ROW 23 (135 : 138)



ROW 24 (139 : 144)



ROW 25 (145 : 149)



ROW 26 (150 : 155)



ROW 27 (155 : 162)



ROW 28 (163 : 169)



ROW 29 (170 : 178)



ROW 30 (178 : 186)



ROW 31 (186 : 192)



ROW 32 (193 : 200)



ROW 33 (201 : 207)



ROW 34 (208 : 216)



ROW 35 (216 : 224)



ROW 36 (225 : 232)



ROW 37 (233 : 235)



ROW 38 (235 : 241)



ROW 39 (241 : 245)



ROW 40 (246 : 251)



ROW 41 (252 : 258)



ROW 42 (259 : 265)



ROW 43 (266 : 273)



ROW 44 (274 : 280)



ROW 45 (281 : 287)



ROW 46 (287 : 294)



ROW 47 (294 : 301)



ROW 48 (302 : 307)



ROW 49 (308 : 314)



ROW 50 (315 : 320)



ROW 51 (320 : 325)



ROW 52 (326 : 331)



ROW 53 (332 : 339)



ROW 54 (340 : 345)



ROW 55 (345 : 349)



ROW 56 (350 : 355)



ROW 57 (355 : 361)



ROW 58 (362 : 365)



ROW 59 (365 : 371)



ROW 60 (371 : 375)



ROW 61 (376 : 378)



ROW 62 (378 : 384)



ROW 63 (385 : 387)



ROW 64 (388 : 395)



ROW 65 (395 : 403)



ROW 66 (403 : 409)



ROW 67 (409 : 415)



ROW 68 (415 : 421)



ROW 69 (422 : 427)



ROW 70 (427 : 433)



ROW 71 (433 : 438)



ROW 72 (439 : 444)



ROW 73 (444 : 449)



ROW 74 (449 : 452)



ROW 75 (453 : 459)



ROW 76 (460 : 465)



ROW 77 (465 : 472)



ROW 78 (473 : 479)



ROW 79 (479 : 488)



ROW 80 (489 : 495)



ROW 81 (495 : 498)



ROW 82 (498 : 503)



ROW 83 (503 : 508)



ROW 84 (508 : 515)



ROW 85 (516 : 519)



ROW 1 (1 : 2)



ROW 2 (2 : 7)



ROW 3 (8 : 17)



ROW 4 (17 : 19)



ROW 5 (20 : 24)



ROW 6 (24 : 27)



ROW 7 (28 : 30)



ROW 8 (30 : 36)



ROW 9 (37 : 48)



ROW 10 (48 : 52)



ROW 11 (53 : 61)



ROW 12 (62 : 65)



ROW 13 (65 : 71)



ROW 14 (72 : 77)



ROW 15 (78 : 86)



ROW 16 (86 : 89)



ROW 17 (90 : 100)



ROW 18 (101 : 110)



ROW 19 (110 : 116)



ROW 20 (117 : 123)



ROW 21 (124 : 130)



ROW 22 (130 : 137)



ROW 23 (137 : 145)



ROW 24 (146 : 154)



ROW 25 (154 : 160)



ROW 26 (160 : 167)



ROW 27 (167 : 173)



ROW 28 (174 : 180)



ROW 29 (180 : 183)



ROW 30 (183 : 186)



ROW 31 (186 : 189)



ROW 32 (190 : 191)



ROW 33 (191 : 199)



ROW 34 (200 : 201)



ROW 35 (201 : 205)



ROW 36 (205 : 210)



ROW 37 (210 : 213)



ROW 38 (214 : 218)



ROW 39 (219 : 222)



ROW 40 (222 : 228)



ROW 41 (228 : 233)



ROW 42 (234 : 243)



ROW 43 (243 : 253)



ROW 44 (254 : 261)



ROW 45 (262 : 267)



ROW 46 (268 : 274)



ROW 47 (274 : 281)



ROW 48 (282 : 287)



ROW 49 (288 : 294)



ROW 50 (295 : 298)



ROW 51 (299 : 304)



ROW 52 (305 : 312)

