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Calculator Products Division

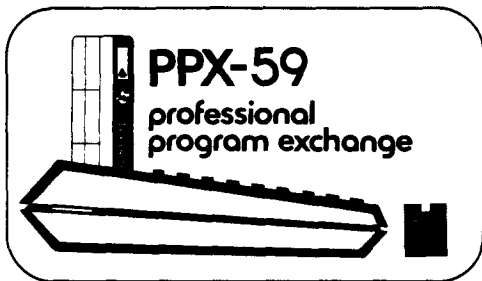
## Submission Abstract

Program Title Santa Claus & His Reindeer		Rev. A	
Abstract of Program This program prints Santa and all of his reindeer which includes Rudolph. Each reindeer also has his name printed above him thus allowing children to associate a name with a reindeer. This program also illustrates the printing capabilities of the TI-59 and the PC-100C units.			
User Benefits: This programs demonstrates the printing characteristics of the unit as it can be applied to the creation of designs for artistic purposes.			
Category Number	Required Progs.	Prog. Steps <u>1404</u>	PC-100A Needed <input checked="" type="checkbox"/> Library Module ID <input type="checkbox"/>
Submittal Agreement All of the information forwarded herewith is contributed to Texas Instruments on a nonconfidential, nonobligatory basis; no relationship, confidential or otherwise express or implied, is established with Texas Instruments by this contribution. The submitter retains his or her copyright on this material and grants to Texas Instruments a non-exclusive, world-wide, royalty-free license to exercise any of the rights granted to an owner of copyright by law. To my knowledge, this is an original work, which does not infringe the copyright of another and contribution of this information to Texas Instruments by me does not breach any obligation to any other person or organization relating to proprietary or confidential information.  Signature _____ Date _____ Name <u>Thomas K. Lehman, Sr.</u> Address <u>P O Box 456</u> City <u>Magna</u> State <u>Utah</u> Zip <u>84044</u>			Submission Checklist <input checked="" type="checkbox"/> Recorded Magnetic Cards <input checked="" type="checkbox"/> Submission Abstract <input checked="" type="checkbox"/> Program Description <input checked="" type="checkbox"/> User Instructions <input checked="" type="checkbox"/> Sample Problem <input checked="" type="checkbox"/> Listing <input checked="" type="checkbox"/> <u>Partial Output</u> <input type="checkbox"/> _____

## IMPORTANT

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## TEXAS INSTRUMENTS Calculator Products Division

### Program Description

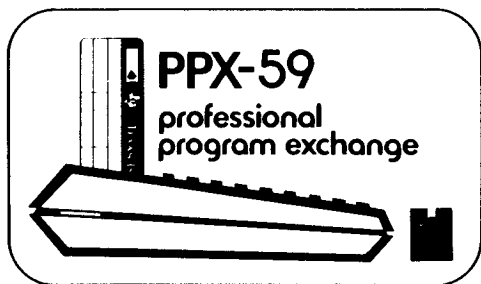
Program Title:

Rev.

Santa Claus & His Reindeer

Method, Equations, Sketches, Limitations, References, Error Recovery:

This program consists of the codes which are required to print the characters that go into the printing of Santa Claus and his Reindeer. Rudolph is shown differently from the other eight reindeer in only the nose portion since his nose is shown glowing in the night as if he is leading the way for Santa and his precious cargo for the children of the world.



# User Instructions

Program Title Santa Claus & His Reindeer				
Partition (OP 17) Parentheses Levels 959 0 t Register <input type="checkbox"/>				
Angular Mode (if applicable)	SBR Levels 2	Absolute Addresses <input type="checkbox"/>		
Library Module ID	Disturbs Pending Operations <input type="checkbox"/>			

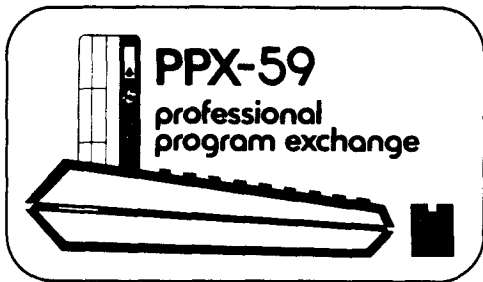
USER DEFINED KEYS	
A	
B	
C	
D	
E	
A'	
B'	
C'	
D'	
E'	

DATA REGISTERS (INV)	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	
0	
1	
2	
3	
4	

FLAGS	0	1	2	3	4	5	6	7	8	9
-------	---	---	---	---	---	---	---	---	---	---

STEP	PROCEDURE	ENTER	PRESS	OUTPUT/MODE (see legend below)
1	Load Santa + Reindeer Part 1 2 cards		r/s	n*
2	Load Santa + Reindeer Part 2		RST r/s	n*
Modes: n* — Printed only (n) — Displayed briefly (Pause) (n)* — Printed and displayed				

See Continuation Sheet



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## Sample Problem

**Statement of Example** Using the program print Santa Claus and his nine reindeer with Rudolph leading the way.

☐ See Continuation Sheet

ENTER	PRESS	OUTPUT/MODE (see legend below)	COMMENT
Part 1	r/s	n*	9 reindeer
Part 2	RST r/s	n*	Santa & Sleigh
<p>Modes: n* — Printed only (n) — Displayed Briefly (Pause) (n)* — Printed and displayed</p>			

☐ Cont.

PPX-59 Professional Program  
Exchange  
Sample Problem (cont'd)

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ENTER	see legend below)	COMMENT
	<pre>       *       / )       G  XX-AAA 77==(  II  -       /  Xa  II 7      'Xa  II  7       7  II  1       1  II  1       1  II  1 RUDOLPH 1  II  1       1  II  2-       1  II       1  II  /       (  AAA/-       VII       II       II       II       II       II       II       II       II       II       G  XX-AAA 77==(  II  -       /  Xa  II 7      'Xa  II  7       7  II  1       1  II  1       1  II  1 FRANCER 1  II  1       1  II  2-       1  II       1  II  /       (  AAA/-       VII       II       II       II       II </pre>	<pre> MM      II  -? O*** C----1 H 1 1 H      1 H 1 1 H      2-0 1 1 CWW--. 1 1 *** 1 2-1 7II-' **0--BBB 1 II ^ * 0! BBB 1 II * 0 3D BBB ) II - */ 06 BBB II **0--BBB 2 II *      (AA--II--^ * * %</pre>
	<p>Modes: n* — Printed only (n) — Displayed Briefly (Pause) (n)* — Printed and displayed</p>	

# PPX-59 Professional Program Exchange

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SANTA + REINDEER PART 1

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LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS
000	69	DP		054	69	DP		108	01	1	
001	00	00		055	03	03		109	07	7	
002	05	5		056	71	SBR		110	03	3	
003	01	1		057	47	CMS		111	05	5	
004	00	0		058	71	SBR		112	00	0	
005	00	0		059	24	CE		113	00	0	
006	00	0		060	71	SBR		114	00	0	
007	00	0		061	25	CLR		115	02	2	
008	00	0		062	71	SBR		116	00	0	
009	00	0		063	35	1/X		117	00	0	
010	00	0		064	71	SBR		118	69	DP	
011	00	0		065	52	EE		119	03	03	
012	69	DP		066	71	SBR		120	71	SBR	
013	03	03		067	71	SBR		121	47	CMS	
014	71	SBR		068	71	SBR		122	71	SBR	
015	50	I×I		069	79	X		123	24	CE	
016	71	SBR		070	71	SBR		124	71	SBR	
017	65	X		071	79	X		125	25	CLR	
018	71	SBR		072	71	SBR		126	71	SBR	
019	34	FX		073	79	X		127	35	1/X	
020	71	SBR		074	71	SBR		128	71	SBR	
021	45	YX		075	79	X		129	52	EE	
022	71	SBR		076	71	SBR		130	71	SBR	
023	89	#		077	79	X		131	71	SBR	
024	71	SBR		078	71	SBR		132	71	SBR	
025	95	=		079	68	NOP		133	79	X	
026	71	SBR		080	71	SBR		134	71	SBR	
027	22	INV		081	33	X²		135	79	X	
028	71	SBR		082	71	SBR		136	71	SBR	
029	23	LNK		083	34	FX		137	79	X	
030	71	SBR		084	71	SBR		138	71	SBR	
031	23	LNK		085	45	YX		139	79	X	
032	03	3		086	71	SBR		140	71	SBR	
033	05	5		087	89	#		141	79	X	
034	04	4		088	71	SBR		142	71	SBR	
035	01	1		089	95	=		143	68	NOP	
036	01	1		090	71	SBR		144	71	SBR	
037	06	6		091	22	INV		145	33	X²	
038	03	3		092	71	SBR		146	71	SBR	
039	02	2		093	23	LNK		147	34	FX	
040	02	2		094	71	SBR		148	71	SBR	
041	07	7		095	23	LNK		149	45	YX	
042	69	DP		096	03	3		150	71	SBR	
043	02	02		097	03	3		151	89	#	
044	03	3		098	03	3		152	71	SBR	
045	03	3		099	05	5		153	95	=	
046	02	2		100	01	1		154	71	SBR	
047	03	3		101	03	3		155	22	INV	
048	00	0		102	03	3		156	71	SBR	
049	00	0		103	01	1		157	23	LNK	
050	00	0		104	01	1		158	71	SBR	
051	02	2		105	05	5					
052	00	0		106	69	DP					
053	00	0		107	02	02					

## MERGED CODES

62	STO	83	GTO
63	RCL	84	OP
64	SUM	92	INV

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SANTA + REILDEER PART 1

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LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS
159	23	LNK		214	71	SBR		269	23	LNK	
160	01	1		215	23	LNK		270	71	SBR	
161	06	6		216	01	1		271	23	LNK	
162	01	1		217	06	6		272	01	1	
163	03	3		218	01	1		273	06	6	
164	03	3		219	03	3		274	03	3	
165	01	1		220	03	3		275	02	2	
166	01	1		221	06	6		276	03	3	
167	05	5		222	02	2		277	01	1	
168	01	1		223	03	3		278	03	3	
169	07	7		224	01	1		279	01	1	
170	69	DP		225	07	7		280	01	1	
171	02	02		226	69	DP		281	07	7	
172	03	3		227	02	02		282	69	DP	
173	05	5		228	03	3		283	02	02	
174	00	0		229	05	5		284	03	3	
175	00	0		230	00	0		285	05	5	
176	00	0		231	00	0		286	00	0	
177	00	0		232	00	0		287	00	0	
178	00	0		233	00	0		288	00	0	
179	02	2		234	00	0		289	00	0	
180	00	0		235	02	2		290	00	0	
181	00	0		236	00	0		291	02	2	
182	69	DP		237	00	0		292	00	0	
183	03	03		238	69	DP		293	00	0	
184	71	SBR		239	03	03		294	69	DP	
185	47	CMS		240	71	SBR		295	03	03	
186	71	SBR		241	47	CMS		296	71	SBR	
187	24	CE		242	71	SBR		297	47	CMS	
188	71	SBR		243	24	CE		298	71	SBR	
189	25	CLR		244	71	SBR		299	24	CE	
190	71	SBR		245	25	CLR		300	71	SBR	
191	35	1/X		246	71	SBR		301	25	CLR	
192	71	SBR		247	35	1/X		302	71	SBR	
193	52	EE		248	71	SBR		303	35	1/X	
194	71	SBR		249	52	EE		304	71	SBR	
195	71	SBR		250	71	SBR		305	52	EE	
196	71	SBR		251	71	SBR		306	71	SBR	
197	30	TAN		252	71	SBR		307	71	SBR	
198	71	SBR		253	30	TAN		308	71	SBR	
199	68	NOP		254	71	SBR		309	30	TAN	
200	71	SBR		255	68	NOP		310	71	SBR	
201	33	X²		256	71	SBR		311	68	NOP	
202	71	SBR		257	33	X²		312	71	SBR	
203	34	FX		258	71	SBR		313	33	X²	
204	71	SBR		259	34	FX		314	71	SBR	
205	45	YX		260	71	SBR		315	34	FX	
206	71	SBR		261	45	YX		316	71	SBR	
207	89	π		262	71	SBR		317	45	YX	
208	71	SBR		263	89	π		318	71	SBR	
209	95	=		264	71	SBR		319	89	π	
210	71	SBR		265	95	=					
211	22	INV		266	71	SBR					
212	71	SBR		267	22	INV					
213	23	LNK		268	71	SBR					

## MERGED CODES

62			72	STO		83	GTO	
63			73	RCL		84		
64			74	SUM		92	INV	SBR

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SANTA + REINDEER PART 1

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LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS
320	71	SBR		375	71	SBR		430	23	LNK	
321	95	=		376	23	LNK		431	71	SBR	
322	71	SBR		377	01	1		432	23	LNK	
323	22	INV		378	04	4		433	01	1	
324	71	SBR		379	02	2		434	05	5	
325	23	LNK		380	07	7		435	03	3	
326	71	SBR		381	02	2		436	02	2	
327	23	LNK		382	04	4		437	03	3	
328	04	4		383	03	3		438	00	0	
329	02	2		384	07	7		439	01	1	
330	02	2		385	04	4		440	07	7	
331	04	4		386	06	6		441	03	3	
332	04	4		387	69	DP		442	07	7	
333	04	4		388	02	02		443	69	DP	
334	01	1		389	01	1		444	02	02	
335	07	7		390	07	7		445	02	2	
336	03	3		391	03	3		446	00	0	
337	01	1		392	01	1		447	00	0	
338	69	DP		393	00	0		448	69	DP	
339	02	02		394	00	0		449	03	03	
340	02	2		395	00	0		450	71	SBR	
341	00	0		396	02	2		451	47	CMS	
342	00	0		397	00	0		452	71	SBR	
343	69	DP		398	00	0		453	24	CE	
344	03	03		399	69	DP		454	71	SBR	
345	71	SBR		400	03	03		455	25	CLR	
346	47	CMS		401	71	SBR		456	71	SBR	
347	71	SBR		402	47	CMS		457	35	1/X	
348	24	CE		403	71	SBR		458	71	SBR	
349	71	SBR		404	24	CE		459	52	EE	
350	25	CLR		405	71	SBR		460	71	SBR	
351	71	SBR		406	25	CLR		461	71	SBR	
352	35	1/X		407	71	SBR		462	71	SBR	
353	71	SBR		408	35	1/X		463	30	TAN	
354	52	EE		409	71	SBR		464	71	SBR	
355	71	SBR		410	52	EE		465	68	NOP	
356	71	SBR		411	71	SBR		466	71	SBR	
357	71	SBR		412	71	SBR		467	33	X²	
358	30	TAN		413	71	SBR		468	71	SBR	
359	71	SBR		414	30	TAN		469	34	FX	
360	68	NOP		415	71	SBR		470	71	SBR	
361	71	SBR		416	68	NOP		471	45	YX	
362	33	X²		417	71	SBR		472	71	SBR	
363	71	SBR		418	33	X²		473	89	π	
364	34	FX		419	71	SBR		474	71	SBR	
365	71	SBR		420	34	FX		475	95	=	
366	45	YX		421	71	SBR		476	71	SBR	
367	71	SBR		422	45	YX		477	22	INV	
368	89	π		423	71	SBR		478	71	SBR	
369	71	SBR		424	89	π		479	23	LNK	
370	95	=		425	71	SBR		480	71	SBR	
371	71	SBR		426	95	=					
372	22	INV		427	71	SBR					
373	71	SBR		428	22	INV					
374	23	LNK		429	71	SBR					

## MERGED CODES

62	72	83
63	73	84
64	74	92



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SANTA + REINDER PART 1

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LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS
481	23	LNK		536	00	0		591	69	DP	
482	01	1		537	69	DP		592	02	02	
483	05	5		538	03	03		593	07	7	
484	04	4		539	71	SBR		594	04	4	
485	01	1		540	50	I×I		595	00	0	
486	03	3		541	92	RTN		596	00	0	
487	03	3		542	76	LBL		597	00	0	
488	02	2		543	34	FX		598	00	0	
489	04	4		544	02	2		599	06	6	
490	01	1		545	02	2		600	05	5	
491	06	6		546	00	0		601	02	2	
492	69	DP		547	00	0		602	00	0	
493	02	02		548	69	DP		603	69	DP	
494	02	2		549	02	02		604	04	04	
495	00	0		550	05	5		605	71	SBR	
496	00	0		551	00	0		606	50	I×I	
497	69	DP		552	05	5		607	92	RTN	
498	03	03		553	00	0		608	76	LBL	
499	71	SBR		554	02	2		609	89	11	
500	47	CMS		555	00	0		610	06	6	
501	71	SBR		556	69	DP		611	03	3	
502	24	CE		557	03	03		612	69	DP	
503	71	SBR		558	07	7		613	01	01	
504	25	CLR		559	05	5		614	05	5	
505	71	SBR		560	07	7		615	00	0	
506	35	1/X		561	05	5		616	07	7	
507	71	SBR		562	07	7		617	05	5	
508	52	EE		563	05	5		618	69	DP	
509	71	SBR		564	00	0		619	02	02	
510	71	SBR		565	00	0		620	07	7	
511	71	SBR		566	00	0		621	04	4	
512	30	TAN		567	00	0		622	00	0	
513	71	SBR		568	69	DP		623	00	0	
514	79	X		569	04	04		624	00	0	
515	91	R/S		570	71	SBR		625	00	0	
516	76	LBL		571	50	I×I		626	00	0	
517	50	I×I		572	92	RTN		627	00	0	
518	69	DP		573	76	LBL		628	00	0	
519	05	05		574	45	YX		629	00	0	
520	69	DP		575	01	1		630	69	DP	
521	00	00		576	00	0		631	04	04	
522	92	RTN		577	01	1		632	71	SBR	
523	76	LBL		578	00	0		633	50	I×I	
524	65	X		579	69	DP		634	92	RTN	
525	06	6		580	01	01		635	76	LBL	
526	03	3		581	06	6		636	95	=	
527	69	DP		582	04	4		637	01	1	
528	02	02		583	06	6		638	00	0	
529	05	5		584	04	4		639	00	0	
530	06	6		585	05	5		640	00	0	
531	00	0		586	05	5		641	69	DP	
532	00	0		587	00	0					
533	00	0		588	00	0					
534	00	0		589	00	0					
535	00	0		590	00	0					

## MERGED CODES

62	STO	83	GTO
63	RCL	84	INV
64	SUM	92	SBR

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SANTA + REINDEER PART 1

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LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS
642	01	01		697	00	0		752	50	IXI	
643	06	6		698	69	DP		753	92	RTN	
644	05	5		699	03	03		754	76	LBL	
645	05	5		700	07	7		755	25	CLR	
646	00	0		701	04	4		756	02	2	
647	07	7		702	00	0		757	00	0	
648	05	5		703	00	0		758	00	0	
649	00	0		704	00	0		759	69	DP	
650	00	0		705	00	0		760	03	03	
651	00	0		706	00	0		761	07	7	
652	00	0		707	00	0		762	04	4	
653	69	DP		708	00	0		763	00	0	
654	03	03		709	02	2		764	00	0	
655	07	7		710	69	DP		765	00	0	
656	04	4		711	04	04		766	00	0	
657	00	0		712	71	SBR		767	00	0	
658	00	0		713	50	IXI		768	00	0	
659	00	0		714	92	RTN		769	00	0	
660	00	0		715	76	LBL		770	00	0	
661	00	0		716	47	CMS		771	69	DP	
662	00	0		717	07	7		772	04	04	
663	01	1		718	04	4		773	71	SBR	
664	00	0		719	00	0		774	50	IXI	
665	69	DP		720	00	0		775	92	RTN	
666	04	04		721	00	0		776	76	LBL	
667	71	SBR		722	00	0		777	35	1/X	
668	50	IXI		723	00	0		778	02	2	
669	92	RTN		724	00	0		779	00	0	
670	76	LBL		725	00	0		780	00	0	
671	22	INV		726	02	2		781	69	DP	
672	01	1		727	69	DP		782	03	03	
673	00	0		728	04	04		783	07	7	
674	00	0		729	71	SBR		784	04	4	
675	00	0		730	50	IXI		785	00	0	
676	69	DP		731	92	RTN		786	00	0	
677	03	03		732	76	LBL		787	00	0	
678	07	7		733	24	CE		788	00	0	
679	04	4		734	02	2		789	00	0	
680	00	0		735	00	0		790	00	0	
681	00	0		736	00	0		791	06	6	
682	00	0		737	69	DP		792	03	3	
683	00	0		738	03	03		793	69	DP	
684	00	0		739	07	7		794	04	04	
685	00	0		740	04	4		795	71	SBR	
686	00	0		741	00	0		796	50	IXI	
687	02	2		742	00	0		797	92	RTN	
688	69	DP		743	00	0		798	76	LBL	
689	04	04		744	00	0		799	52	EE	
690	71	SBR		745	07	7		800	05	5	
691	50	IXI		746	00	0		801	05	5	
692	92	RTN		747	02	2		802	00	0	
693	76	LBL		748	00	0					
694	23	LNK		749	69	DP					
695	02	2		750	04	04					
696	00	0		751	71	SBR					

## MERGED CODES

62	DP	72	STO	83	GTO
63	DP	73	RCL	84	DP
64	DP	74	SUM	92	INV

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SANTA + REINDEER PART 1

For TI use only

LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS
803	00	0		858	92	RTN		912	00	0	
804	69	DP		859	76	LBL		913	00	0	
805	03	03		860	68	NOP		914	69	DP	
806	07	7		861	04	4		915	04	04	
807	05	5		862	00	0		916	71	SBR	
808	07	7		863	00	0		917	50	IXI	
809	05	5		864	00	0		918	92	RTN	
810	07	7		865	00	0		919	76	LBL	
811	05	5		866	00	0		920	30	TAN	
812	06	6		867	00	0		921	71	SBR	
813	03	3		868	00	0		922	79	X	
814	02	2		869	00	0		923	71	SBR	
815	00	0		870	00	0		924	79	X	
816	69	DP		871	69	DP		925	71	SBR	
817	04	04		872	03	03		926	79	X	
818	71	SBR		873	07	7		927	71	SBR	
819	50	IXI		874	04	4		928	79	X	
820	92	RTN		875	00	0		929	71	SBR	
821	76	LBL		876	00	0		930	79	X	
822	71	SBR		877	00	0		931	92	RTN	
823	04	4		878	00	0					
824	02	2		879	00	0					
825	69	DP		880	00	0					
826	03	03		881	00	0					
827	07	7		882	00	0					
828	04	4		883	69	DP					
829	00	0		884	04	04					
830	00	0		885	71	SBR					
831	00	0		886	50	IXI					
832	00	0		887	92	RTN					
833	00	0		888	76	LBL					
834	00	0		889	33	X2					
835	00	0		890	06	6					
836	00	0		891	03	3					
837	69	DP		892	69	DP					
838	04	04		893	02	02					
839	71	SBR		894	05	5					
840	50	IXI		895	06	6					
841	92	RTN		896	00	0					
842	76	LBL		897	00	0					
843	79	X		898	00	0					
844	07	7		899	00	0					
845	04	4		900	00	0					
846	00	0		901	00	0					
847	00	0		902	69	DP					
848	00	0		903	03	03					
849	00	0		904	07	7					
850	00	0		905	04	4					
851	00	0		906	00	0					
852	00	0		907	00	0					
853	00	0		908	00	0					
854	69	DP		909	00	0					
855	04	04		910	00	0					
856	71	SBR		911	00	0					
857	50	IXI									

## MERGED CODES

62	FOR	END	72	STO	END	83	GTO	END
63	IF	END	73	RCL	END	84	INP	END
64	IF	END	74	SUM	END	92	INV	SBR

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For TI use only

LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS
000	69	DP		054	93	.		108	00	0	
001	00	00		055	02	2		109	69	DP	
002	03	3		056	00	0		110	02	02	
003	00	0		057	00	0		111	02	2	
004	03	3		058	69	DP		112	00	0	
005	00	0		059	02	02		113	00	0	
006	69	DP		060	02	2		114	01	1	
007	02	02		061	00	0		115	05	5	
008	07	7		062	00	0		116	04	4	
009	04	4		063	02	2		117	03	3	
010	00	0		064	03	3		118	04	4	
011	00	0		065	00	0		119	03	3	
012	06	6		066	00	0		120	69	DP	
013	05	5		067	00	0		121	03	03	
014	02	2		068	00	0		122	02	2	
015	00	0		069	69	DP		123	00	0	
016	07	7		070	03	03		124	02	2	
017	01	1		071	02	2		125	00	0	
018	69	DP		072	00	0		126	04	4	
019	04	04		073	00	0		127	00	0	
020	71	SBR		074	02	2		128	00	0	
021	93	.		075	03	3		129	00	0	
022	01	1		076	69	DP		130	00	0	
023	05	5		077	04	04		131	00	0	
024	01	1		078	71	SBR		132	69	DP	
025	05	5		079	93	.		133	04	04	
026	01	1		080	02	2		134	71	SBR	
027	69	DP		081	00	0		135	93	.	
028	02	02		082	00	0		136	02	2	
029	05	5		083	69	DP		137	00	0	
030	01	1		084	02	02		138	00	0	
031	00	0		085	02	2		139	69	DP	
032	00	0		086	00	0		140	02	02	
033	01	1		087	00	0		141	02	2	
034	05	5		088	02	2		142	00	0	
035	02	2		089	03	3		143	00	0	
036	00	0		090	00	0		144	00	0	
037	02	2		091	00	0		145	00	0	
038	00	0		092	00	0		146	05	5	
039	69	DP		093	00	0		147	01	1	
040	03	03		094	69	DP		148	05	5	
041	02	2		095	03	03		149	01	1	
042	00	0		096	07	7		150	69	DP	
043	02	2		097	00	0		151	03	03	
044	00	0		098	02	2		152	05	5	
045	00	0		099	00	0		153	01	1	
046	02	2		100	00	0		154	00	0	
047	00	0		101	01	1		155	00	0	
048	00	0		102	69	DP		156	00	0	
049	02	2		103	04	04		157	00	0	
050	03	3		104	71	SBR		158	00	0	
051	69	DP		105	93	.		MERGED CODES 62 <input type="checkbox"/> <input type="checkbox"/> 72 <input type="checkbox"/> <input type="checkbox"/> 83 <input type="checkbox"/> <input type="checkbox"/> 63 <input type="checkbox"/> <input type="checkbox"/> 73 <input type="checkbox"/> <input type="checkbox"/> 84 <input type="checkbox"/> <input type="checkbox"/> 64 <input type="checkbox"/> <input type="checkbox"/> 74 <input type="checkbox"/> <input type="checkbox"/> 92 <input type="checkbox"/> <input type="checkbox"/>			
052	04	04		106	02	2					
053	71	SBR		107	00	0					

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SANTA + REINDEER PART 2

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For TI use only

LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS
159	00	0		214	04	4		269	00	0	
160	00	0		215	00	0		270	00	0	
161	00	0		216	00	0		271	00	0	
162	69	DP		217	69	DP		272	00	0	
163	04	04		218	02	02		273	69	DP	
164	71	SBR		219	02	2		274	04	04	
165	93	.		220	00	0		275	71	SBR	
166	02	2		221	00	0		276	93	.	
167	00	0		222	69	DP		277	05	5	
168	00	0		223	03	03		278	01	1	
169	69	DP		224	07	7		279	00	0	
170	02	02		225	04	4		280	00	0	
171	04	4		226	07	7		281	00	0	
172	06	6		227	04	4		282	00	0	
173	02	2		228	00	0		283	03	3	
174	00	0		229	00	0		284	02	2	
175	07	7		230	00	0		285	00	0	
176	05	5		231	00	0		286	00	0	
177	00	0		232	07	7		287	69	DP	
178	02	2		233	05	5		288	01	01	
179	00	0		234	69	DP		289	04	4	
180	00	0		235	04	04		290	01	1	
181	69	DP		236	71	SBR		291	06	6	
182	03	03		237	93	.		292	00	0	
183	01	1		238	05	5		293	00	0	
184	00	0		239	01	1		294	01	1	
185	07	7		240	00	0		295	04	4	
186	04	4		241	00	0		296	01	1	
187	02	2		242	00	0		297	04	4	
188	00	0		243	00	0		298	69	DP	
189	06	6		244	03	3		299	02	02	
190	05	5		245	02	2		300	01	1	
191	00	0		246	06	6		301	04	4	
192	00	0		247	02	2		302	00	0	
193	69	DP		248	69	DP		303	00	0	
194	04	04		249	01	01		304	00	0	
195	71	SBR		250	01	1		305	00	0	
196	93	.		251	04	4		306	05	5	
197	05	5		252	01	1		307	06	6	
198	01	1		253	04	4		308	00	0	
199	05	5		254	01	1		309	00	0	
200	01	1		255	04	4		310	69	DP	
201	03	3		256	69	DP		311	03	03	
202	02	2		257	02	02		312	07	7	
203	02	2		258	02	2		313	04	4	
204	00	0		259	00	0		314	07	7	
205	69	DP		260	00	0		315	04	4	
206	01	01		261	69	DP		316	00	0	
207	02	2		262	03	03		317	00	0	
208	00	0		263	07	7		318	00	0	
209	01	1		264	04	4		319	00	0	
210	04	4		265	07	7					
211	01	1		266	04	4					
212	04	4		267	00	0					
213	01	1		268	00	0					

## MERGED CODES

62	inv	ing	72	STO	ing	83	GTO	ing
63	inv	ing	73	RCL	ing	84	inv	ing
64	inv	ing	74	SUM	ing	92	INV	SBR



PROGRAMMER \_\_\_\_\_

DATE \_\_\_\_\_

## Coding Form

LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS	LOC	CODE	KEY	COMMENTS
320	02	2		375	04	4		430	02	2	
321	00	0		376	01	1		431	00	0	
322	69	DP		377	04	4		432	02	2	
323	04	04		378	00	0		433	00	0	
324	71	SBR		379	00	0		434	07	7	
325	93	.		380	69	DP		435	05	5	
326	05	5		381	02	02		436	69	DP	
327	01	1		382	07	7		437	04	04	
328	06	6		383	00	0		438	71	SBR	
329	03	3		384	69	DP		439	93	.	
330	00	0		385	03	03		440	05	5	
331	00	0		386	07	7		441	01	1	
332	03	3		387	04	4		442	00	0	
333	02	2		388	07	7		443	00	0	
334	00	0		389	04	4		444	69	DP	
335	07	7		390	00	0		445	01	01	
336	69	DP		391	00	0		446	71	SBR	
337	01	01		392	00	0		447	93	.	
338	01	1		393	00	0		448	05	5	
339	04	4		394	00	0		449	01	1	
340	01	1		395	00	0		450	00	0	
341	04	4		396	69	DP		451	00	0	
342	01	1		397	04	04		452	69	DP	
343	04	4		398	71	SBR		453	01	01	
344	69	DP		399	93	.		454	71	SBR	
345	02	02		400	05	5		455	93	.	
346	07	7		401	01	1		456	06	6	
347	04	4		402	00	0		457	01	1	
348	07	7		403	00	0		458	00	0	
349	04	4		404	00	0		459	00	0	
350	00	0		405	00	0		460	69	DP	
351	00	0		406	69	DP		461	01	01	
352	00	0		407	01	01		462	71	SBR	
353	00	0		408	05	5		463	93	.	
354	00	0		409	05	5		464	91	R/S	
355	00	0		410	01	1		465	76	LBL	
356	69	DP		411	03	3		466	93	.	
357	04	04		412	69	DP		467	69	DP	
358	71	SBR		413	02	02		468	05	05	
359	93	.		414	01	1		469	69	DP	
360	05	5		415	03	3		470	00	00	
361	01	1		416	02	2		471	92	RTN	
362	05	5		417	00	0					
363	01	1		418	02	2					
364	03	3		419	00	0					
365	02	2		420	07	7					
366	02	2		421	05	5					
367	00	0		422	02	2					
368	69	DP		423	00	0					
369	01	01		424	69	DP					
370	02	2		425	03	03					
371	00	0		426	07	7					
372	01	1		427	04	4					
373	04	4		428	07	7					
374	01	1		429	04	4					

## MERGED CODES

62	STO	83	GTO
63	RCL	84	STP
64	SUM	92	INV SBR

TEXAS INSTRUMENTS  
INCORPORATED