

KIM

GEBRUIKERS CLUB NEDERLAND

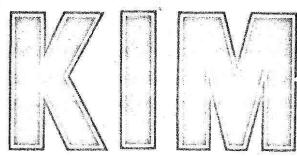
SOFTWARE

PROGRAM: PC001

POCKET CALCULATOR PROGRAM

BY: SIEP DE VRIES

Classification code: 00.012.320



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POCKET CALCULATOR PROGRAM - SIEP DE VRIES - LIMMEN					CARD #	LOC	OBJECT CODE	LABEL	OPER	OPERAND	COMMENTS	DATE 04/03/77 - PAGE 1	
*****					1	2	*	*	*	*	THE FOLLOWING PROGRAM IS A POCKET CALCULATOR	*	*
*****					4	3	*	*	*	*	INPUT/OUTPUT IS EITHER TELETYPE OR KIM KEYBOARD AND DISPLAY	*	*
*****					6	7	*	*	*	*	INPUT IS GIVEN BY PRESSING THE KEYS FOR A DECIMAL NUMBER FOLLOWED BY A FUNCTIONKEY.	*	*
*****					9	8	*	*	*	*	FUNCTIONS:	*	*
*****					10	11	*	*	*	*	A = + = ADD NUMBER TO RESULT B = - = SUBTRACT NUMBER FROM RESULT C = * = MULTIPLY RESULT BY NUMBER D = / = DIVIDE RESULT BY NUMBER E = C = CLEAR INPUT NUMBER F = A = CLEAR RESULT AD = R = REMAINDER OF LAST DIVISION DA = I = NUMBER STORED IN MEMORY + = C = NUMBER FROM MEMORY PC = % = CALCULATE PERCENTAGE GO = C = CLEAR RESULT	*	*
*****					12	13	*	*	*	*	THE PROGRAM MAKES USE OF THE INTEGER CALCULATING PACKAGE: INITIAL PARTNO 770110 A 3-BYTE VERSION IS USED	*	*
*****					14	15	*	*	*	*	*****	*	*
*****					16	17	*	*	*	*	*****	*	*
*****					18	19	*	*	*	*	*****	*	*
*****					20	21	*	*	*	*	*****	*	*
*****					22	23	*	*	*	*	*****	*	*
*****					24	25	*	*	*	*	*****	*	*
*****					26	27	*	*	*	*	*****	*	*
*****					28	29	*	*	*	*	*****	*	*
*****					30	31	*	*	*	*	*****	*	*
Datum ingang:	Vervangt:	d.d.:									Ref.:		
MARCH, 04, 1977	NEW,	1									SIEP DE VRIES		

Nummer: PC001

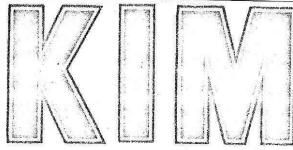
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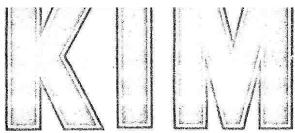
POCKET CALCULATOR PROGRAM - SIEP DE VRRIES - LIJNEN					CATE 04/03/77 - PAGE 2
CARD #	LOC	OBJECT CODE	LABEL	OPER	COMMENT
33				;	*****
34				*	*****
35				** *	DEFINITIONS:
36				*	*****
37				*	*****
38				;	*****
39				;	*****
40	17FE			INITRP=f17FE	INTERRUPT BREAK TRAP
41	17FA			NMTRP=f17FA	NON MASKABLE INTERRUPT TRAP
42				;	*****
43				;	*****
44				;	*****
45				;	*****
46				;	*****
47				*	*****
48				** *	CALCULATOR SUBROUTINES:
49				*	*****
50				;	*****
51				;	*****
52				;	*****
53				;	*****
54	C313			LOAD=f313	
55	C327			STORE=f327	
56	C335			ADD=f335	
57	C347			SUB=f347	
58	C35F			MPY=f35F	
59	C3AC			DVI=f3AC	
Datum ingang:		Vervangt:			
MARCH 04, 1977		NEW.	d.d.:		
			Ref.:	SIEP DE VRRIES	



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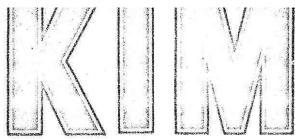
POCKET CALCULATOR PROGRAM - STEP DE VRIES - LIMMEN					DATE 04/03/77 - PAGE 3	
CARD #	LCC	OBJECT CODE	LABEL	OPER	OPERAND	COMMENTS
60				;	*****	*
61				;	*****	*
62				;	*****	*
63				;	*****	*
64				;	*****	*
65				;	*****	*
66				;	*****	*
67				;	*****	*
68	1F1F		SCANDS=f1F1F	DISPLAY DATA KIM		
69	1F6A		GETKEY=f1F6A	READ DATA KIM		
70	1EAC		OUTCH=f1EAC	PRINT CHARACTER TTY		
71	1E5A		GETCH=f1E5A	READ CHARACTER TTY		
72	1E2F		CRLF=f1E2F	PRINT CRLF		
73	1E3B		PRIBYT=f1E3B	PRINT BYTE AS 2 DIGITS		
74			;	*****	*****	*
75			;	*****	*****	*
76			;	*****	*****	*
77			;	*****	*****	*
78			;	*****	*****	*
79			;	*****	*****	*
80			;	*****	*****	*
81			;	*****	*****	*
82			;	*****	*****	*
83			;	*****	*****	*
84			;	*****	*****	*
85	0003		NULL=3	LOCATION 3		
86	C006		FENHCN=NULL+3			
87	C009		MEMORY=EEFNHCN+3			
88	C0F9		DATA=f F9			
89	C01C		NUMCAR=MEMORY+3			
90	C01D		PREV=NUMCAR+1			
Datum ingang:		Vervangt:	d.d.:	Ref.:		
MARCH 04, 1977		NEW.		STEP DE VRIES		



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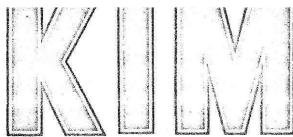
POCKET CALCULATOR PROGRAM - SIEP DE VRIES - LIMMEN						DATE 04/03/77 - PAGE 4
CARD #	LOC	OBJECT CODE	LABEL	OPER	OPERAND	COMMENTS
***** *: * * CHARACTER SET: *****						
91				:		
92				:		
93				*		
94				*		
95				*		
96				*		
97				:		
98				PLUS=f2B		
99	002B			MIN=f2D		
1CC	002C			MAAL=f2A		
1C1	002A			DEEL=f2F		
1C2	002F			CLRNUM=f43		
1C3	0043			CLRALL=f41		
1C4	0041			REP=f52		
1C5	0C52			MEMIN=f49		
1C6	0049			MEMOUT=f4F		
1C7	004F			PRCNT=f25		
1C8	0025			VRAAG=f3F		
1CS	003F			PIADAT=f1740		
11C	1740			PIA TO TEST TTY/KIM		
Datum ingang:		Vervangt:		d.d.:	Ref.:	
MARCH 04, 1977		NFW.		-	SIEP DE VRIES	



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POCKET CALCULATOR PROGRAM - SIEP DE VRIES - LIMMEN						DATE 04/03/11 - PAGE 5
CARD #	LCC	OBJECT CODE	LABEL	OPER	OPERAND	COMMENTS
111				*	*****	
112				*	*****	
113				** * * FIXED DATA:		
114				*	*****	
115				*	*****	
116				*	*****	
117				*	*****	
118				*	*****	
119	00003	00 00 00		**=NULL		
120	00003	00 00 00		BYTE	C,0,C	
121				**=EENHON		
122	00006	00 01 00		BYTE	0,1,C	
123				*	*****	
124				*	*****	
125				*	*****	
126				*	*****	
127				** * * MISCELLANEOUS:		
128				*	*****	
129				*	*****	
130				*	*****	
131				*	*****	
132				*	*****	
133				ACCU=fCCDD		
134				DACCU=fCOE3		
135						
Datum ingang:		Vervangt:	d.d.:	Ref.:		
MARCH 04, 1977		NEW,	-	SIEP DE VRIES		



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POCKET CALCULATOR PROGRAM - SIEP DE VRIES - LIMMEN					DATE 04/03/77 - PAGE 6	
CARD #	LCC	OBJECT CODE	LABEL	OPER	OPERAND	COMMENTS
136				JMP		
137	000C	4C 1E 00	*==C	JMP		CALCUL
138			*==PREV+1			
139			; ---			
140	001E	D8	CALCUL	START OF PROGRAM		
141	001F	78		CLD		
142	0020	A9 C0		SEI		
143	0022	8D FE 17		LDA	#0	
144	0025	8D FA 17		STA	INTRP	
145	0028	A9 1C		LCA	NMITRP	
146	002A	8D FF 17		STA	#F1C	
147	002C	8D FB 17		STA	INTRP+1	
148	003C	A0 00		LEY	#0	RESULT AND
149	0032	A2 03		LDX	#NULL	MEMORY ARE BOTH
150	0034	20 13 03		JSR	LOAD	ZERO
151	0037	A2 09		LDX	#MEMRY	
152	0039	20 27 03		JSR	STCRE	
153	003C	20 00 02		JSR	INPUT	
154	003F	A2 F9	GETINP	LDX	#DATA	
155	0041	A0 00	WEDEW	LCY	#0	
156	0043	C9 2B		LCY	#PLUS	
157	0045	DO 05		CMP	NOADD	
158				BNE		
159	0047	20 35 03		JSR	ADD OPERAND	
160	004A	BO 42		BCS	CARRY SET IN ERROR	
161	004C	C9 2D		CMP		
162	004E	DC 05		BNE		
163				;		
164	0050	20 47 03		JSR	SUB PROBLEM	
165	0053	BC 39		BCS	CARRY CLEAR IS ERROR	
166	0055	C9 2A		CMP		
167	0057	DC 05		BNE		
168				;		
169	0059	20 5F 03		JSR	MPY PROBLEM	
170	005C	BO 30		BCS	CARRY SET IS ERROR	
171	005E	C9 2F		CMP		
172	0060	DO CS		BNE		
173				;		
174	0062	20 AC 03		JSR	DVI	DIVIDE BY OPERAND

Datum ingang:

MARCH 04, 1977

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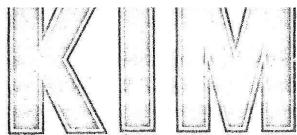
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SIEP DE VRIES

Nummer: PC001

Blad: 6 OF 17



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POCKET CALCULATOR PROGRAM - SIEP DE VRIES - LIJMEN						DATE 04/03/77 - PAGE 7
CARD #	LCC	OBJECT CODE	LABEL	OPER	OPERAND	COMMENTS
175	0065	B0 27		BCS	PROBLM	
176	0067 C9 41		NODEEL	CMP	#CLRALL	
177	0069 D0 05			BNE	NOCLR	
178	006B A2 03		CLEAR	LDX	#NULL	
179	006D 20 13 03			JSR	LOAD	JUST LOAD ZERO
180	007C C9 25		NOCLR	CMP	#PRCNT	
181	0072 D0 CC			BNE	NOPER	
182			;			MULTIPLY BY PERCENTAGE
183	0074 20 5F 03			JSR	MPY	
184	0077 BC 15			BCS	PROBLM	
185	0C79 A2 06		;	LDX	#EENHON	
186			;			DIVIDE BY ONE HUNDRED
187	007B 20 AC 03			JSR	DVI	
188	0C7E BC 0E		;	BCS	PROBLM	
189			;			#REP
190	0080 C9 52		NOPER	CMP	NOREM	
191	0082 D0 05			BNE		
192	0C84 A2 E3			LDX	#DACCU	
193	0086 20 13 03			JSR	LOAD	
194	0089 4C 3C 00		NOREM	JMP	GETINP	
195	008C EA EA			NOP		
196	008E 20 BD 02		PROBLM	JSR	ERROR	
197	0091 4C 3C 00			JNP	GETINP	

Datum ingang:

MARCH 04, 1977

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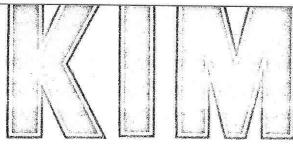
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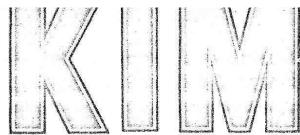
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POCKET CALCULATOR PROGRAM						Nummer:	PC001
CARD #	LCC	OBJECT CODE	LABEL	OPER	OPERAND	COMMENTS	
198				***	***	***	*
199				***	***	***	*
200				***	***	***	*
201				***	***	***	*
202				***	***	***	*
203				***	***	***	*
204				***	***	***	*
205				***	***	***	*
206				***	***	***	*
207				***	***	***	*
208				***	***	***	*
209				***	***	***	*
210				***	***	***	*
211				***	***	***	*
212				***	***	***	*
213				***	***	***	*
214				***	***	***	*
215				***	***	***	*
216				***	***	***	*
217				***	***	***	*
218				***	***	***	*
219				***	***	***	*
220				***	***	***	*
221				***	***	***	*
222				***	***	***	*
223				***	***	***	*
224				***	***	***	*
225				***	***	***	*
226				***	***	***	*
227				***	***	***	*
228				***	***	***	*
229				***	***	***	*
230				***	***	***	*
231				***	***	***	*
232				***	***	***	*
233				***	***	***	*
234				***	***	***	*
235				***	***	***	*
236				***	***	***	*
Datum ingang:				Vervangt:			
MARCH 04, 1977				d.d.:			
				Ref.:			
				SIEP DE VRIES			



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POCKET CALCULATOR PROGRAM - SIEP DE VRIES - LIMMEN						DATE 04/03/77 - PAGE 9
CARD #	LCC	OBJECT CODE	LABEL	OPER	OPERAND	COMMENTS
237	022C	A5 09		LDA	MEMORY	DISPLAY IT
238	022E	85 F9		STA	DATA	
239	023C	A5 CA		LDA	MEMORY+1	
240	0232	85 FA		STA	DATA+1	
241	0234	A5 OB		LCA	MEMORY+2	
242	0236	85 FB		STA	DATA+2	
243	0238	4C C7 02	TESDEC	JMP	WERONP	
244	023B	C9 3C		CMP	#f30	
245	023D	10 C1	NODEC	BPL	GODEC	LEAVE CHARACTER UNKNOWN
246	023F	60	GODEC	RTS		
247	024C	C9 3A		CMP	#f3A	IT'S DECIMAL
248	0242	10 F8		BPL		
249	0244	A6 1C		LDX		
250	0246	DO C8		BNE		
251	0248	A0 CO		LDY	#0	FIRST DIGIT CLEARS
252	024A	84 F9		STY	DATA	NUMBER
253	024C	84 FA		STY	DATA+1	
254	024E	84 F8	NOTFRS	STY		
255	0250	38		SEC		
256	0251	E9 30		SBC	#f30	OBTAIN VALUE
257	0253	2A		RCL		DIGIT LEFT POSITIONED
258	0254	2A		RCL		IN ACC
259	0255	2A		RCL		
260	0256	2A		LEX	#4	SHIFT DIGIT IN
261	0257	A2 04	RCLWER	RCL		
262	0259	2A		RCL		
263	025A	26 F9		RCL		
264	025C	26 FA		RCL		
265	025E	26 FB		ROL		
266	026C	CA		DEX		
267	0261	DO F6		ROLWER		
268	0263	E6 1C		BNE		
269	0265	A5 1C		INC		
270	0267	C9 07		LDA		
271	0269	30 A3		CMP	#7	TEST IF TOO MANY DIGITS
272	026B	20 BC 02		BMI		
273	026F	4C CC 02		JSR		
				JNP		
Datum ingang:			Vervangt:		Ref.:	
MARCH 04, 1977			NEW.		SIEP DE VRIES	



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CARD #	LCC	OBJECT CODE	LABEL	OPER	OPER AND	COMMENTS			
274									
275									
276									
277									
278									
279									
280									
281									
282									
283									
284	C271	A9 C1	INCHAR	#1	LEA				
285	C273	2C 4C 17	BIT		PIADAT	TEST IF KIM			
286	C276	FC 16	BEW		TTYIN				
287	C278	2C 1F 1F	PUNT1		JSR	SCANDS			
288	C27B	DO FB	BNE		BNE	PUNT1			
289	C27C	20 1F 1F	PUNT2		JSR	SCANDS			
290	C28C	FC FB	BEQ		PUNT2				
291	C282	2C 6A 1F	JSR		GETKEY				
292	C285	C9 15	CMP	#f15		IGNORE IT IF			
293	C287	1C EF	BPL	PUNT1		BUCKLE			
294	C289	AA	TAX		ASCTAB,X	CONVERT TO ASCII			
295	C28A	BD 92 02	LEA		RTS				
296	C28D	60	TTYIN		RTS				
297	C28E	20 5A 1E	JSR		GETCH	TTY IS EASIER			
298	C291	60							
299	C292	30 31 32	ASCTAB						
300	C295	33 34 35	BYTE	\$30,\$31,\$32		0-1-2			
3C1	C298	36 37 38	BYTE	\$33,\$34,\$35		3-4-5			
3C2	C29B	35 28 2D	BYTE	\$36,\$37,\$38		6-7-8			
3C3	C29E	2A 2F 43	BYTE	\$39,PLUS,MIN		9-A-B			
3C4	C2A1	41 52 49	BYTE	MAAL,DEEL,CLRNUM		C-D-E			
3C5	C2A4	4F 25 41	BYTE	CLRALL,REP,WENIN F-AD-DA					
			BYTE	MEMCUT,PRCNT,CLRALL PC-4-GO					

Datum ingang:

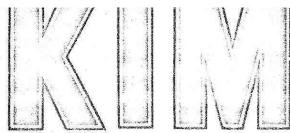
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SIEP DE VRIES

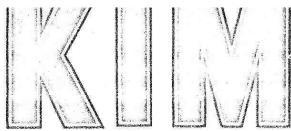


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POCKET CALCULATOR PROGRAM						Nummer:	PC001
CARD #	LCC	OBJECT CODE	LABEL	OPER	OPERAND	COMMENTS	
***** *** * * OUTPUT NUMBER FROM *** * * DATA AREA TO TTY IF CONNECTED *** * * *****						*	*
306							
307							
308							
309							
310							
311							
312							
313							
314							
315	02A7	A9	C1	OUTPUT	LCA	#1	
316	02A9	2C	40	17		PIADAT	
317	02AC	F0	01		BIT	ITSTTY	
318	02AE	60			BEQ		
319	02AF	A2	02	ITSTTY	RTS		
320	02B1	B5	F9		LDX	#2	
321	02B3	20	38	1E	LDA	DATA,X	
322	02B6	CA			JSR	PRTBYT	
323	02B7	10	F8		DEX		
324	02B9	20	2F	1E	BPL	WTYP	
325	02BC	60			JSR	CRLF	
					RTS		
Datum ingang:		Vervangt:		d.d.:		Ref.:	
MARCH 04, 1977		NEW.		-		SIEP DE VRIES	

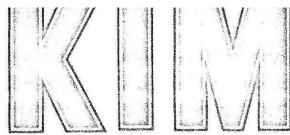
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MARCH 04, 1977	NEW.	-	SIEP DE VRIES



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POCKET CALCULATOR PROGRAM - SIEP DE VRIES - LIMMEN						DATE 04/03/77 - PAGE 12
CARD #	LCC	OBJECT CODE	LABEL	OPER	OPERAND	COMMENTS
; **** *						
; *						
326		02BD	A9 C1	ERROR	LDA #1	
327		C2BF	2C 40 17		PIADAT	
328		02C2	F0 CA		BIT TTYERR	*
329		02C4	A2 02		BEQ #SIZE-1	*
330		02C6	A9 FF		LDX #FFF	*
331		02C8	95 DD	SETFUL	LDA ACCU,X	
332		02CA	CA		STA DEX	
333		02CB	10 FB		BPL SETFUL	
334		02CC	60		RTS	
335		02CE	A9 3F		LDA #VRAAG	
336		02D0	20 A0 1E		JSR DUTCH	
337		02D3	4C B9 02		JMP OUTYP	
; **** *						
; **** *						
Datum ingang:	Vervangt:	d.d.:	Ref.:			
MARCH 04, 1977	NEW.	1	SIEP DE VRIES			

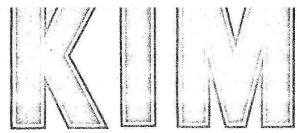


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POCKET CALCULATOR PROGRAM					Nummer: PC001
INTEGER PACKAGE 'INTCAL'			DESCRIPTION + DEFINITIONS		Blad: 13 OF 17
CARD #	LCC	OBJECT CODE	LABEL	OPERAND	COMMENTS
246					*****
247					*****
248					*****
249					*****
250					*****
251					*****
252					*****
253					*****
254					*****
255					*****
256					*****
257					*****
258					*****
259					*****
260					*****
261					*****
262					*****
263					*****
264					*****
265					*****
266					*****
267					*****
268					*****
269					*****
270					*****
271					*****
272					*****
273					*****
274					*****
275			CCC3		SIZE=3
276					==fE9-4-f SIZE
277			QQCD		ACCU=*
278			QOE3		DACCU=ACCU+2*SIZE
279					==fE9
280			GCFS		LOADAD=DACCU+2*SIZE
281			QOEB		ACCSAV=LOADAD+2
282			CCEC		MULIND=ACCSAV+1
283			COEC		MULCNT=MULIND+1
284			COEE		COUNT=MULCNT+1
Datum ingang:			Vervangt:	d.d.:	Ref.:
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POCKET CALCULATOR PROGRAM						Nummer:	PC001
INTEGER PACKAGE 'INTCAL'						Blaad:	14 OF 17
CARD #	LCC	OBJECT CODE	LABEL	OPER	OPERAND	COMMENTS	
385						*****	*****
386						*****	*****
387	296	030C 86 E9	BEGALG	SIX	LOADAD	GENERAL SETUP AND LOADAD+1	
388	297	0302 84 EA	STY	ACCSAV		INITIALIZE	
389	298	0304 85 EB	STA				
390	299	0306 A2 C2	LCX	#SIZE-1			
391	300	0308 00 OC	LCY	#0			
392	301	030A 94 EC	CLRWER	STY	ACCU+SIZE,X		
393	302	030C CA	DEX	BPL			
394	303	030C 10 FB	CLRWER	LDX	#SIZE-1		
	304	030F A2 02	SED				
	305	0311 F8	RTS				
	306	0312 60	LCACU	BEGALG	LOAD INTO		
	307	0313 20 00 03	NLOAD	(LOADAD),Y	ACCU		
	308	0316 B1 E9	LDA	ACCU,Y			
	309	0318 99 DD 00	INY				
	310	031B C8	DEX				
	311	031C CA	BPL				
	312	031D 10 F7	ALGCUT	CLD	LOADAD	GENERAL EXIT	
	313	031F D8	LDX	LOADAD+1		REGISTERS	
	314	0320 A6 E9	LDY				
	315	0322 A4 EA	LCA				
	316	0324 A5 EB	ACCSAV				
	317	0326 60	RTS				
	318	0327 20 00 03	JSR	BEGALG	STORE FROM		
	319	032A B9 DD 00	NSTOR	ACCU,Y	ACCU		
	320	032D 91 E9	STA	(LOADAD),Y			
	321	032F C8	INY				
	322	033C CA	DEX				
	323	0331 10 F7	BPL				

Datum ingang:

MARCH 04, 1977

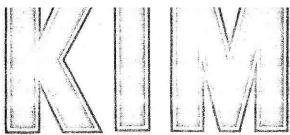
Vervangt:

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POCKET CALCULATOR PROGRAM						DATE 04/03/77 - PAGE 15
INTEGER PACKAGE 'INTCAL'						Nummer: PC001
CARD #	LCC	OBJECT CODE	LABEL	OPER	OPERAND	COMMENTS
424	0333	30 EA		BMI	ALGOUT	
425	C335	20 00 03	ADD	JSR	BEGLAG	ADD INTC ACCU
426	C338	18		CLC		
427	C339	B9 CC 00	NAED	LEA	ACCU,Y (LOADAD),Y	
428	033C	71 E9		ADC	ACCU,Y	
429	C33E	99 CC 00		STA	ACCU,Y	
430	C341	C8		INY		
431	C342	CA		DEX		
432	C343	10 F4		BPL	NADD	
433	C345	30 D8		BMI	ALGOUT	
434	C347	20 CC 03	SUB	JSR	BEGLAG	SUBTRACT FROM ACCU
435	034A	38		SEC		
436	C34B	B9 CC 00	NSUB	LCA	ACCU,Y (LOADAD),Y	
437	C34E	F1 E9		SBC	ACCU,Y	
438	C35C	99 CC 00		STA	ACCU,Y	
439	C353	C8		INY		
440	C354	CA		DEX		
441	0355	10 F4		BPL		
442	C357	BC 03		BCS	CLICAR	
443	0359	38	SETCAR	SEC		
444	C35A	BO C3		BCS	ALGOUT	
445	C35C	18		CLICAR	CLC	
446	035C	90 CO		BCC	ALGOUT	
447	C35F	86 E9	MPY	STX	LOADAD	
448	0361	84 EA		STY	LOADAD+1	
449	C363	85 EB		STA	SAVACC	
450	C365	A2 C6		LEX	#SIZE*2	
451	0367	B5 CC	WIMPY	LCA	ACCU-1,X	
452	C369	95 E2		STA	DACCU-1,X	
453	C368	A9 CC		LCA	#0	
454	036D	95 DC		STA	ACCU-1,X	
455	C36F	CA		DEX		
456	C37C	DO F5		BNE	WIMPY	
457	C372	A8		TAY		
458	C373	A9 C3		LDA	#SIZE	
459	C375	85 ED		STA	MULONT	
460	0377	F8		SED		
461	0378	B1 E9	OUTLUP	LDA	(LOADAD),Y	
462	C37A	85 EC		STA	MULIND	
463	C37C	FC 1C		BEQ	NOADD	

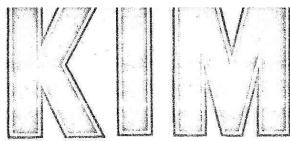
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POCKET CALCULATOR PROGRAM						Nummer:	PC001
INTEGER PACKAGE 'INTCAL'						Blad:	16 OF 17
CARD #	LCC	OBJECT CODE	LABEL	OPER	OPERAND	COMMENTS	
464	C37E	18	PEUTER	CLC	#SIZE*2		
465	C37F	A9 06		LDA	COUNTI		
466	0381	85 EE		STA	#C		
467	0383	A2 00	WERADD	LDX	ACCU,X		
468	0385	B5 CC		LCA	DACCU,X		
469	0387	75 E3		ADC	ACCU,X		
470	0379	95 CC		STA	INX		
471	C38B	E8		DEC	COUNT		
472	C38C	C6 EE		BNE	WERADD		
473	038E	DO F5	ULGO	BCS	ALGOUT		
474	C39C	BC 8C		LDA	MULIND		
475	C392	A5 EC		SPC	#C		
476	C394	E9 CC		STA	MULIND		
477	C396	85 EC		BNE	PUTTER		
478	C398	DO E4		BAE	#SIZE*2-1		
479	C39A	A2 C5	NCADD	LDX	DACCU-1,X		
480	039C	B5 E2	MUSTUR	LDA	ACCU,X		
481	C39E	95 E3		STA	INY		
482	C3AO	CA		DEX	MULIND		
483	03A1	DO FS		BAE	STX		
484	03A3	86 E3		STA	DACCU		
485	C3A5	C8		DEC	MULIND		
486	C3A6	C6 ED		BNE	OUTLUP		
487	C3A8	DO CE		BEQ	CLICAR		
488	C3AA	FC BC	PULGC	STX	LOADAD		
489	C3AC	86 E9	DVI	STY	LOADAD+1		
490	03AE	84 EA		STA	ACCSAV		
491	0280	85 EB		LDX	#SIZE		
492	03B2	A2 C3		SIX	MULIND		
493	C3B4	86 EC		LDX	#SIZE*2-1		
494	C3B6	A2 C5		LCA	ACCU,X		
495	03B8	B5 DD	MOVDIV	STA	DACCU,X		
496	03BA	95 E3		LCA	#C		
497	03BC	A9 CC		STA	ACCU,X		
498	03BE	95 CC		DEX	INY		
499	03C0	CA F5		BPL	MOVDIV		
500	03C1	10 F5		LDY	#SIZE-1		
5C1	03C3	AC C2		LDX	MULIND		
5C2	03C5	A6 EC		TESWER	LCA		
5C3	03C7	B5 E5			DACCU+SIZE-1,X		

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INTEGER PACKAGE 'INTCAL' - CCPYRIGHT WESTVRIES						DATE 04/03/77 - PAGE 17			
CARD #	LCC	OBJECT CODE	LABEL	OPER.	OPERAND	COMMENTS			
5C4	03C9	D1 E9		CMP	(LOADAD), Y				
	03CB	90 29		BCC	FINDIV				
5C5	03CC	B5 E5		LCA	ACCU-SIZE-1, X				
5C7	03CF	F0 21		BEQ	NOCOMP				
5C8	03D1	A6 EC		LCL	MULIND				
5C9	03D3	A0 CC		LCY	#0				
510	03C5	A9 03		LCA	#SIZE				
511	03D7	85 ED		STA	MULCNT				
512	03D9	F8		SED					
513	03CA	B5 E3		LCA	DACCU,X				
514	03CC	F1 E9		SBC	(LOADAD), Y				
515	03DE	95 E3		STA	DACCU,X				
516	C3EC	E8		INX					
517	C3E1	C8		INY					
518	C3E2	C6 ED		DEC					
519	C3E4	CG F4		BNE					
520	C3E6	B5 CA		LCA	DIVRE				
521	C3E8	C9 99		CMP	ACCU-SIZE, X				
522	C3EA	B0 A4		BCS	#f99				
523	C3EC	69 01		ADC	ULGO				
	524	C3EE 95 CA		STA	#1				
	525	C3FO DO C1		BNE	ACCU-SIZE, X				
	526	C3F2 CA		DEX	DIVLUP				
	527	C3F3 88		DEY					
	528	C3F4 10 E1		BPL	TESWER				
	529	C3F6 C6 EC		DEC	MULIND				
	530	C3F8 10 C9		BPL	DIVLUP				
	531	03FA 4C 5C 03		JMP	CLICAR				
	532				;				
	533				END				
Datum ingang:		Vervangt:	d.d.:	Ref.:					
MARCH 04, 1977		NEW,	-	SIEP DE VRIES					