

TITLE 495
TITEL
TITRE

PAGE 1 OF 3
SEITE VON
PAGE DE
DATE 30 juil 2020
DATUM
DATE

TI PROGRAMMABLE
PROGRAM RECORD
PROGRAMM-BERICHT
FICHE PROGRAMME



PROGRAMMER
PROGRAMMIERER
PROGRAMMEUR

Partitioning (Op 17)
Speicher-Bereichsverteilung
Partition (Op 17)

Library Module
Software-Modul
Module enfichable

Printer
Drucker
Imprimante

Cards
Karten
Cartes

PROGRAM DESCRIPTION • PROGRAMM BESCHREIBUNG • DESCRIPTION DU PROGRAMME

=====

4 9 5

Kaprekar constant

=====

Enter a 3-digit number including at least one
differs from the others then

either [A] (method 1)

either [E] (method 2)

M E T H O D 1

The program

sort the 3 digits in descending order to get

a first number abc,

sort the 3 digits in ascending order to get a

second cba number,

subtracts the second number from the first,

use the result as a fresh start

... etc ...

up to 495!

M E T H O D 2

The program

sort the 3 digits in descending order to get

a first number abc,

calculate the next number = 99a - 99c)

use this result as a fresh start

... etc ...

up to 495!

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USER DEFINED KEYS PROGRAMM-ADRESSTASTEN TOUCHES UTILISATEUR		DATA REGISTERS DATENSPEICHER REGISTRES-MEMOIRE (INV LIT)		LABELS (Op 08) LABELS (Op 08) LABELS (Op 08)						
A	Number			INV	Inx	CE	CLR	X/T	X²	
B				\sqrt{x} 172	$1/x$	STO	RCL	SUM	Y*	
C				EE	()	÷	GTO	X		
D				SBR	-	RST	+	R/S	*	
E	Number			+/-	=	CLR	INV	log	CP	
A'	(method 1)			tan 214	Pgm	P→R	sin 201	cos 193	CMs	
B'				Exc	Prd	|x|	Eng	Flx	Int	
C'				Deg	Pause	x↔t	Nop	Op	Rad	
D'				Lbl	x↔t	Σ*	\bar{x}	Grad	St flg	
E'	(method 2)			If flg	D.Ms	π	List	Write	Daz	
				Adv	Prt					
FLAGS DRAPEAUX	0	1	2	3	4	5	6	7	8	9

PROGRAMMER
PROGRAMMIERER
PROGRAMMEURDATE 30 juil 2020
DATUM DATE

PROGRAMMEUR				DATE							
LOC ADR ADR	CODE KODE CODE	KEY TASTE TOUCHE	COMMENTS BEMERKUNGEN COMMENTAIRES	LOC ADR ADR	CODE KODE CODE	KEY TASTE TOUCHE	COMMENTS BEMERKUNGEN COMMENTAIRES	LOC ADR ADR	CODE KODE CODE	KEY TASTE TOUCHE	COMMENTS BEMERKUNGEN COMMENTAIRES
000	76	LBL	NUMBER - M	055	43	RCL		110	47	CMS	
001	11	A		056	06	06		111	42	STO	
002	47	CMS		057	99	PRT		112	09	09	
003	42	STO		058	02	2		113	76	LBL	
004	09	09		059	00	0		114	10	E'	
005	76	LBL		060	00	0		115	18	C'	
006	16	A'		061	00	0		116	43	RCL	1ST NUMBER
007	18	C'		062	00	0		117	03	03	
008	53	(	1ST NUMBER	063	00	0		118	65	*	
009	43	RCL		064	00	0		119	09	9	
010	01	01		065	00	0		120	09	9	
011	65	*		066	69	OP		121	95	=	
012	01	1		067	04	04		122	42	STO	
013	00	0		068	43	RCL		123	07	07	
014	00	0		069	08	08		124	43	RCL	2ND NUMBER
015	54	)		070	69	OP		125	01	01	
016	85	+		071	06	06		126	65	*	
017	53	(		072	06	6		127	09	9	
018	43	RCL		073	04	4		128	09	9	
019	02	02		074	00	0		129	95	=	
020	65	*		075	00	0		130	42	STO	
021	01	1		076	00	0		131	08	08	
022	00	0		077	00	0		132	98	ADV	
023	54	)		078	00	0		133	69	OP	
024	85	+		079	00	0		134	26	26	
025	43	RCL		080	69	OP		135	43	RCL	
026	03	03		081	04	04		136	06	06	
027	95	=		082	43	RCL		137	99	PRT	
028	42	STO		083	07	07		138	43	RCL	
029	07	07		084	69	OP		139	07	07	
030	53	(	2ND NUMBER	085	06	06		140	75	-	
031	43	RCL		086	69	OP		141	43	RCL	
032	03	03		087	00	00		142	08	08	
033	65	*		088	43	RCL		143	95	=	
034	01	1		089	08	08		144	69	OP	
035	00	0		090	75	-		145	00	00	
036	00	0		091	43	RCL		146	69	OP	
037	54	)		092	07	07		147	06	06	
038	85	+		093	95	=		148	32	X/T	
039	53	(		094	69	OP		149	04	4	
040	43	RCL		095	06	06		150	09	9	
041	02	02		096	32	X/T		151	05	5	
042	65	*		097	04	4		152	32	X/T	
043	01	1		098	09	9		153	42	STO	
044	00	0		099	05	5		154	09	09	
045	54	)		100	32	X/T		155	22	INV	
046	85	+		101	42	STO		156	67	EQ	
047	43	RCL		102	09	09		157	10	E'	
048	01	01		103	22	INV		158	47	CMS	
049	95	=		104	67	EQ		159	91	R/S	
050	42	STO		105	16	A'		<div>MERGED CODES KOMBINATIONEN-KODES</div> <div>TOUCHES COMBINEES</div> <div>62 72 83 </div> <div>63 73 84 </div> <div>64 74 92 </div>			
051	08	08		106	47	CMS					
052	98	ADV		107	91	R/S					
053	69	OP		108	76	LBL	NUMBER - M				
054	26	26		109	15	E		TEXAS INSTRUMENTS			

TITLE 495
TITEL

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TI PROGRAMMABLE

CODING FORM

KODEFORM

FEUILLE DE PROGRAMMATION



PROGRAMMER
PROGRAMMIERER
PROGRAMMEUR

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LOC ADR ADR	CODE KODE CODE	KEY TASTE TOUCHE	COMMENTS BEMERKUNGEN COMMENTAIRES	LOC ADR ADR	CODE KODE CODE	KEY TASTE TOUCHE	COMMENTS BEMERKUNGEN COMMENTAIRES	LOC ADR ADR	CODE KODE CODE	KEY TASTE TOUCHE	COMMENTS BEMERKUNGEN COMMENTAIRES
160	76	LBL	COMMON ARE	215	97	DSZ					
161	18	C'		216	05	05					
162	03	3		217	38	SIN					
163	22	INV		218	97	DSZ					
164	28	LOG		219	00	00					
165	22	INV		220	39	COS					
166	49	PRD		221	92	RTN					
167	09	09									
168	03	3	DISTRIBUTI								
169	42	STO									
170	00	00									
171	76	LBL									
172	34	SQR									
173	43	RCL									
174	09	09									
175	22	INV									
176	59	INT									
177	65	*									
178	01	1									
179	00	0									
180	95	=									
181	42	STO									
182	09	09									
183	59	INT									
184	72	ST*									
185	00	00									
186	97	DSZ									
187	00	00									
188	34	SQR									
189	03	3	SORTING								
190	42	STO									
191	00	00									
192	76	LBL									
193	39	COS									
194	73	RC*									
195	00	00									
196	32	X/T									
197	03	3									
198	42	STO									
199	05	05									
200	76	LBL									
201	38	SIN									
202	73	RC*									
203	05	05									
204	77	GE									
205	30	TAN									
206	63	EX*									
207	00	00									
208	72	ST*									
209	05	05									
210	73	RC*									
211	00	00									
212	32	X/T									
213	76	LBL									
214	30	TAN									

MERGED CODES KOMBINATIONEN-KODES				TOUCHES COMBINEES						
62	Pgm	Ind		72	STO	Ind		83	GTO	Ind
63	LAC	Ind		73	RCL	Ind		84	DS	Ind
64	Prg	Ind		74	SUM	Ind		92	INV	Sbr

TEXAS INSTRUMENTS