

1	LBL 'VC'	51	RCL 'LVC'	101	+	151
2	CLMENU	52	2	102	STO 01	152
3	MENU	53	÷	103	RCL 'CH'	153
4	'CHA'	54	x	104	RCL 'TP2'	
5	KEY 1 GTO 01	55	RCL 'ELE'	105	-	
6	'ELE'	56	+	106	RCL 'LVC'	
7	KEY 2 GTO 02	57	'RL1:'	107	÷	
8	'LVC'	58	ARCL ST.X	108	2	
9	KEY 3 GTO 03	59	PROMPT	109	x	
10	'E'	60	RCL 'CHA'	110	ENTER	
11	KEY 4 GTO 04	61	RCL 'LVC'	111	x	
12	'G%1'	62	2	112	RCL 'E'	
13	KEY 5 GTO 05	63	÷	113	x	
14	'G%2'	64	+	114	RCL 01	
15	KEY 6 GTO 06	65	STO 'TP2'	115	+	
16	LBL 01	66	'TP2:'	116	'RL='	
17	INPUT 'CHA'	67	ARCL ST.X	117	ARCL ST.X	
18	GTO 07	68	PROMPT	118	PROMPT	
19	LBL 02	69	RCL 'G2'	119	GTO 08	
20	INPUT 'ELE'	70	100	120	LBL 09	
21	GTO 07	71	÷	121	RCL 'G1'	
22	LBL 03	72	RCL 'LVC'	122	+/-	
23	INPUT 'LVC'	73	2	123	x	
24	GTO 07	74	÷	124	100	
25	LBL 04	75	x	125	÷	
26	INPUT 'E'	76	RCL 'ELE'	126	RCL 'ELE'	
27	GTO 07	77	+	127	+	
28	LBL 05	78	'RL2:'	128	STO 01	
29	FIX 04	79	ARCL ST.X	129	RCL 'CH'	
30	INPUT 'G1'	80	PROMPT	130	RCL 'TP1'	
31	GTO 07	81	15	131	-	
32	LBL 06	82	STO 'INTV'	132	RCL 'LVC'	
33	FIX 04	83	INPUT 'INTV'	133	÷	
34	INPUT 'G2'	84	RCL 'TP1'	134	2	
35	GTO 07	85	STO 'CH'	135	x	
36	LBL 07	86	LBL 08	136	ENTER	
37	FIX 03	87	RCL 'INTV'	137	x	
38	RCL 'CHA'	88	STO+ 'CH'	138	RCL 'E'	
39	RCL 'LVC'	89	INPUT 'CH'	139	x	
40	2	90	RCL 'CHA'	140	RCL 01	
41	÷	91	RCL 'CH'	141	+	
42	-	92	-	142	'RL='	
43	STO 'TP1'	93	x > 0?	143	ARCL ST.X	
44	'TP1:'	94	GTO 09	144	PROMPT	
45	ARCL ST.X	95	RCL 'G2'	145	GTO 08	
46	PROMPT	96	x	146	END	
47	RCL 'G1'	97	100	147		
48	+/-	98	÷			
49	100	99	+/-			
50	÷	100	RCL 'ELE'			

VARIABLES: -

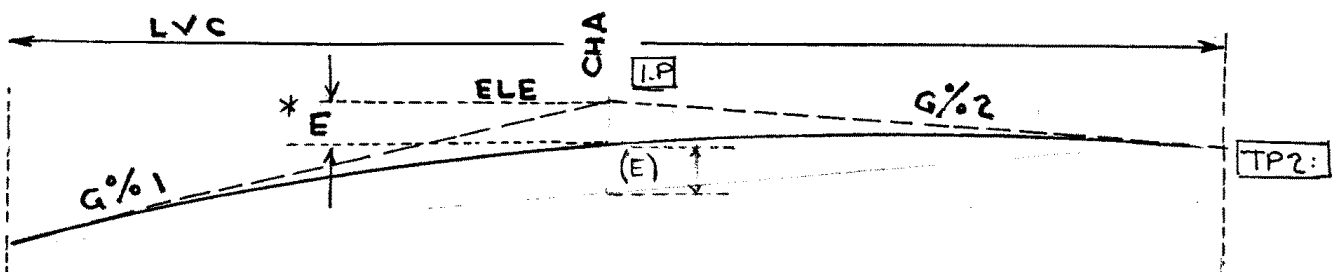
- CHA: CHAINAGE OF VERTICAL INTN.
- ELE: HEIGHT OF VERTICAL INTN.
- LVC: LENGTH OF VERTICAL CURVE
- E: VERTICAL OFFSET FROM I.P TO CURVE
- * IF NOT KNOWN SEE BELOW FOR CALCULATION
- NOTE: SIGN IS + VE FOR SAGS - VE FOR CRESTS
- G%1: GRADIENT 1
- G%2: GRADIENT 2
- SIGN OF G%1/G%2 IS RELATED TO CHAINAGES

- PRESS EACH VARIABLE KEY + INSERT VALUE
- WHEN ALL VARIABLES INSERTED PRESS R/S
- VALUES FOR TP1: & TP2: ARE THEN DISPLAYED AS VERIFICATION OF CORRECT ENTRIES
- R/S TO CONTINUE
- SET INTERVAL &/OR CHAINAGE AS REQUIRED

$$* E = \frac{1}{2} \left(h \cdot CHA - \left(\frac{h \cdot TP1 + h \cdot TP2}{2} \right) \right)$$

+ IS +VE FOR SAG -VE FOR CREST

MENU					
CHA	ELE	LVC	E	G%1	G%2



TP1:

TP2: