

polyhedron11 sub-program for polyhedron V2

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ML-11 TRIANGLE SOLUTION (1)

Step	Procedure	Enter	Press	Display
1	Select program		2nd Pgm 11	
2	Initialize		2nd E	0
3	Select degree, grad, or radians			
Knowing SSS				
4	Enter a	a	A	a
5	Enter b	b	B	b
6	Enter c	c	C	c
7	Calculate angle A		2nd A	<A
8	Calculate angle B		2nd B	<B
9	Calculate angle C		2nd C	<C
Knowing SSA				
10	Enter a	a	A	a
11	Enter b	b	B	b
12	Enter angle A	<A	C	<A
13	Calculate c		D	c
14	Calculate angle B		2nd B	<B
15	Calculate angle C		2nd C	<C
Knowing SAS				
16	Enter a	a	A	a
17	Enter b	b	B	b
18	Enter angle C	<C	C	<C
19	Calculate c		E	c
20	Calculate angle B		2nd B	<B
21	Calculate angle C		2nd C	<C



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LBL A'
( ( RCL 06 X2 + RCL 01 X2 - RCL 02 X2 ) / 2 / RCL 06 / RCL 01 ) INV
COS
IFF 00 DSZ
STO 05
STF 0
LBL ENG
RCL 06 EXC 01 EXC 02 STO 06
GTO A'
LBL DSZ
IFF 01 NOP
STO 04 STF 1
GTO ENG
LBL NOP
STO 03
IFF 02 LST
LBL E'
INV STF 0 INV STF 1 INV STF 2 INV STF 3
RTN
LBL D
( ( RCL 02 SIN * RCL 01 / RCL 06 ) INV EE EE INV EE INV SIN EE INV
EE STO 04 +/- + 1 +/- INV COS - RCL 02 ) STO 02 STO 05 STF 3
LBL E
( RCL 06 X2 + RCL 01 X2 - 2 * RCL 06 * RCL 01 * RCL 02 COS ) SQR
IFF 03 DMS
STO 02 STF 0 STF 2
GTO ENG
LBL LST
STO 05 RCL 01
GTO E'
LBL DMS
STO 02
GTO E'
LBL B'
RCL 04
RTN
LBL C'
RCL 05
RTN
LBL A
STO 06
RTN
LBL B
STO 01
RTN
LBL C
STO 02
RTN

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L A B E L S		
001	16	A'
035	57	ENG
047	97	DSZ
058	68	NOP
065	10	E'
080	14	D
122	15	E
157	90	LST
165	88	DMS
171	17	B'
176	18	C'
181	11	A
186	12	B
191	13	C

Adr	Branch.		
A'	044	61	GTO
DMS	145	87	IFF
DSZ	027	87	IFF
E'	162	61	GTO
E'	168	61	GTO
ENG	055	61	GTO
ENG	154	61	GTO
LST	061	87	IFF
NOP	048	87	IFF

Reg.	Instr.		
01	008	43	RCL
	022	43	RCL
	038	48	EXC
	087	43	RCL
	128	43	RCL
	137	43	RCL
	160	43	RCL
	187	42	STO
02	012	43	RCL
	040	48	EXC
	083	43	RCL
	112	43	RCL
	115	42	STO
	140	43	RCL
	148	42	STO
	166	42	STO
	192	42	STO
03	059	42	STO
04	051	42	STO
	103	42	STO
	172	43	RCL
05	030	42	STO
	117	42	STO
	158	42	STO
	177	43	RCL
06	004	43	RCL
	019	43	RCL
	036	43	RCL
	042	42	STO
	090	43	RCL
	124	43	RCL
	134	43	RCL
	182	42	STO

