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SAA.txt
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% SAA % This program solves any triangle, if we know the % one side and the two consecutive angles. % on the order in which you entered the three side % the order in which you entered the three side % values) and outputs SIDE ANGLE SIDE ANGLE SIDE ANGLE. % By L. Linares 2011 % A3 % S1/ / S3 % % % % ΄Α2 A1 ----% % VERY IMPORTANT: To type this program on a regular % text file, I had to replace some HP50 keys by % certain strings. So ... you type [multiply key] [WHITE SHIFT] COS % Where I wrote % % % % ACOS [y to the x key] press square root key (\*) [WHITE SHIFT] PRG/TYPE/->TAG SQRT ->TAG % (\*) Do NOT type the letters SQRT ... it won't work! % Usage: Enter the three side lengths on the stack % 3: S1 2: A1(in degrees) 1: A2(in degrees) % % % Then run the program! % Then run the program!
% VERY IMPORTANT: Store this program as 'SAA',
% because the other four programs in this series
% will "call" this one by that name!
% This program is provided on a "as is" basis, for
% reference ONLY, and no warranty of its accuracy or
% correctness is made. If you use it, you use it at your % own risk. << -17 FS? -> S1 A1 A2 X IF 'X==1' THEN DEG END 'S1/SIN(A2)\*SIN(A1)' EVAL '180-A1-A2' EVAL SIN 'S1/SIN(A2)' EVAL \* s1 -> S3 S2 S1 << S1 S2 S3 'SSS' EVAL >> IF 'X==1' THEN RAD END >>

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