```
% This program solves any triangle, if we know the
% three sides. It computes three angles and traverses
% the triangle (clock or counter clockwise depending % on the order in which you entered the three side % values) and outputs SIDE ANGLE SIDE ANGLE SIDE ANGLE.
% By L. Li nares 2011
%
%
%
%
%
% 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]
      SQRT press square root key (*)
->TAG [WHITE SHIFT] PRG/TYPE/->TAG
-> [RED SHIFT] [zero key]

(*) Do NOT type the letters SQRT . . . it won't work!
%
%
  Usage: Enter the three side lengths on the stack
              3: S1
2: S2
1: S3
               Then run the program!
% VERY IMPORTANT: Store this program as 'SSS'
% 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 S2 S3 X
         IF 'X==1' THEN DEG END
'ACOS((S3^2 - S1^2 - S2^2)/(-2*S1*S2))' EVAL
'ACOS((S1^2 - S2^2 - S3^2)/(-2*S2*S3))' EVAL
'ACOS((S2^2 - S1^2 - S3^2)/(-2*S1*S3))' EVAL
-> A1 A2 A3
               S1 'S1' ->TAG
A1 'A1' ->TAG
S2 'S2' ->TAG
              A2 'A2' ->TAG
S3 'S3' ->TAG
A3 'A3' ->TAG
         IF 'X==1' THEN RAD END
```